

TOSHIBA

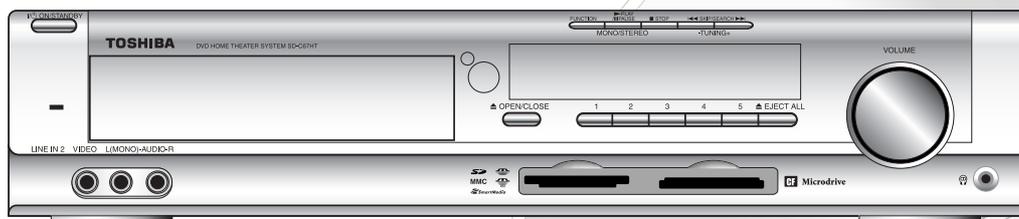


DVD Home Theater System

SD-C67HTSU

OWNER'S MANUAL

Before connecting, operating or adjusting this product,
please read this instruction booklet carefully and completely.





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 REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPARATUS TO RAIN OR MOISTURE.

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

ATTENTION: POUR ÉVITER LES CHOC ÉLECTRIQUES, INTRODUIRE LA LAME LA PLUS LARGE DE LA FICHE DANS LA BORNE CORRESPONDANTE DE LA PRISE ET POUSSER JUSQU'AU FOND.

WARNING: Do not install this equipment in a confined space such as a bookcase or similar unit.

NOTE TO CABLE/TV INSTALLER: This reminder is provided to call the cable TV system installer's attention to Article 820-40 of the National Electric Code (U.S.A.). The code provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of the cable entry as practical.

CAUTION:

This DVD Home Theater System employs a Laser System. To ensure proper use of this product, please read this owner's manual carefully and retain for future reference. Should the unit require maintenance, contact an authorized service location.

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.

FCC WARNING: This equipment may generate or use radio frequency energy. Changes or modifications to this equipment may cause harmful interference unless the modifications are expressly approved in the instruction manual. The user could lose the authority to operate this equipment if an unauthorized change or modification is made.

REGULATORY INFORMATION: FCC Part 15

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the product is operated in a residential installation. This product generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this product does cause harmful interference to radio or television reception, which can be determined by turning the product off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the product and receiver.
- Connect the product into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

SERIAL NUMBER: The serial number is found on the back of this unit. This number is unique to this unit and not available to others. You should record requested information here and retain this guide as a permanent record of your purchase.

Model No. _____

Serial No. _____

IMPORTANT SAFETY INSTRUCTIONS

- 1. Read these instructions.** - All these safety and operating instructions should be read before the product is operated.
- 2. Keep these instructions.** - The safety, operating and use instructions should be retained for future reference.
- 3. Heed all warnings.** - All warnings on the product and in the operating instructions should be adhered to.
- 4. Follow all instructions.** - All operating and use instructions should be followed.
- 5. Do not use this product near water.** – For example: near a bath tub, wash bowl, kitchen sink, laundry tub, in a wet basement; or near a swimming pool; and other areas located near water.
- 6. Clean only with dry cloth.** – Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners.
- 7. 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 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 instructions have been adhered to.
- 8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.**
- 9. Do not defeat the safety purpose of the polarized or grounding-type plug.** A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
- 10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the product.**
- 11. Only use attachments/accessories specified by the manufacturer.**
- 12. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with apparatus. When a cart is used, use caution when moving the cart/product combination to avoid injury from tip-over.**
- 13. Unplug this product during lightning storms or when unused for long periods of time.**
- 14. Refer all servicing to qualified service personnel. Servicing is required when the product has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the product, the product has been exposed to rain or moisture, does not operate normally, or has been dropped.**



Contents

Introduction	3-11	CHANGING THE AUDIO CHANNEL	26
IMPORTANT SAFETY INSTRUCTIONS	3	STILL PICTURE AND FRAME-BY-FRAME PLAYBACK	27
Symbol used in this Manual	5	SLOW SCAN	27
About the  Symbol Display	5	REPEAT A-B	27
Notes on Discs	5	REPEAT	27
HANDLING DISCS	5	TIME SEARCH	27
STORING DISCS	5	ZOOM	28
CLEANING DISCS	5	MARKER SEARCH	28
Types of Playable Discs	6	PAUSE	28
Regional code	6	Special DVD Features	28
REMOTE CONTROL OPERATION RANGE	6	CHECKING THE CONTENTS OF DVD	
REMOTE CONTROL BATTERY INSTALLATION	6	DISCS: MENUS	28
Disc-related terms	7	TOP MENU	28
Front Panel	8	MENU	28
Display Window	9	CAMERA ANGLE	28
Remote Control	10	CHANGING THE AUDIO LANGUAGE	28
Rear Panel	11	SUBTITLES	28
		Playing an Memory Card	29
Installation and Setup	12-24	Playing an Audio CD or MP3/WMA Disc	30
TV Connections	12	Audio CD and MP3 / WMA Disc Features	31
Audio Connection to Optional Equipment	13	PAUSE	31
Antenna Connections	14	MOVING TO ANOTHER TRACK	31
HDMI Connection	15	REPEAT TRACK/ALL/OFF	31
Speaker System Connection	16	SEARCH	31
Speaker Positioning	17	REPEAT A-B	31
Selecting the Input/Output Source	18	3D SURROUND	31
Mini Glossary for Audio Stream & Surround Mode	19	Programmed Playback	32
Sound Mode	19	REPEAT PROGRAMMED TRACKS	32
On-Screen Display	20	ERASING A TRACK FROM PROGRAM LIST	32
PLAYBACK STATUS/RESTRICTIONS	20	ERASING THE COMPLETE PROGRAM LIST	32
Initial Settings	21-24	Viewing a JPEG Disc	33
GENERAL OPERATION	21	STILL PICTURE	33
LANGUAGE	21	MOVING TO ANOTHER FILE	33
• Menu Language	21	ZOOM	33
• Disc Audio / Subtitle / Menu	21	TO ROTATE PICTURE	33
DISPLAY	21	TO LISTEN TO MP3/WMA MUSIC WATCHING PICTURE	33
• TV Aspect	21	Maintenance and Service	34
• Display Mode	22	HANDLING THE UNIT	34
AUDIO	22	Additional Features	35
• 5.1 Speaker Setup	22	LAST SCENE MEMORY	35
• Dynamic Range Control (DRC)	22	VIDEO MODE SETTING	35
• Vocal	22	SLEEP TIMER SETTING	35
LOCK (Parental Control)	23	DIMMER	35
• Rating	23	MUTE	35
• Password (Security Code)	23	USING HEADPHONE JACK	35
• Country Code	23	5.1 Speaker Setup	36
OTHERS	24	SPEAKER SETUP	36
• PBC	24	Presetting the Radio Stations	37
• Auto Play	24	Listening to the Radio	37
• B.L.E. (Black Level Expansion)	24	Controlling Your TV with Supplied Remote	38-39
• Pluge (Blacker than Black)	24	SETTING THE TV CONTROL CODES	39
• DNR (Digital Noise Reduction)	24		
Operation	25-39	Reference	40-45
Playback Setup	25	Language Codes	40
Playing a DVD or Video CD	26	Country Codes	40
General Features	26-28	Troubleshooting	41-42
MOVING TO ANOTHER TITLE	26	Specifications	43
MOVING TO ANOTHER CHAPTER/TRACK	26	Limited United States Warranty	44-45
SEARCH	26		

Introduction

To ensure proper use of this product, please read this owner's manual carefully and retain for future reference.

This manual provides information on the operation and maintenance of your DVD Home Theater System. Should the unit require service, contact an authorized service location.

Symbol Used in this Manual



The lightning flash symbol alerts you to the presence of dangerous voltage within the product enclosure that may constitute a risk of electric shock.



The exclamation point alerts you to the presence of important operating and maintenance / servicing instructions.



Indicates hazards likely to cause harm to the unit itself or other material damage.

Note:

Indicates special notes and operating features.

Tip:

Indicates tips and hints for making the task easier.

A section whose title has one of the following symbols is applicable only to the disc represented by the symbol.

-  DVD and finalized DVD±R/RW
-  Video CDs
-  Audio CDs
-  MP3 Discs
-  WMA Discs
-  JPEG Discs
-  Memory Card

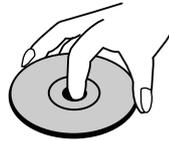
About the Symbol Display

"" 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.

Notes on Discs

HANDLING DISCS

Do not touch the playback side of the disc. Hold the disc by the edges so that fingerprints do not get on the surface. Never stick paper or tape on the disc.

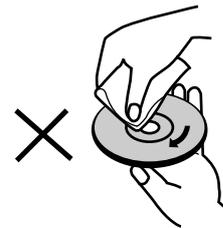
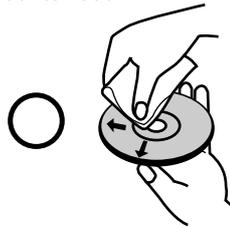


STORING DISCS

After playing, store the disc in its case. Do not expose the disc to direct sunlight or sources of heat and never leave it in a parked car exposed to direct sunlight.

CLEANING DISCS

Fingerprints and dust on the disc can cause poor picture quality and sound distortion. Before playing, clean the disc with a clean cloth. Wipe the disc from the center out.



Do not use strong solvents such as alcohol, benzene, thinner, commercially available cleaners, or anti-static spray intended for older vinyl records.

Types of Playable Discs

	DVD (8 cm / 12 cm disc)
	Video CD (VCD) (8 cm / 12 cm disc)
	Audio CD (8 cm / 12 cm disc)

In addition, this unit plays DVD -R, DVD -RW, SVCD, and CD-R / CD-RW that contains audio titles, MP3, WMA, and/or JPEG files.

Notes:

- Depending on the conditions of the recording equipment or the CD-R/RW (or DVD -R, DVD -RW) disc itself, some CD-R/RW (or DVD -R, DVD -RW) discs cannot be played on the unit.
- Do not attach any seal or label to either side (the labeled side or the recorded side) of a disc.
- Do not use irregularly shaped CDs (e.g., heart-shaped or octagonal) since they may result in malfunctions.

Notes on DVDs and Video CDs

Because of problems and errors that can occur during the creation of DVD and Video CD software and/or the manufacture of DVD and Video CD discs, Toshiba cannot guarantee that this DVD Home Theater System will play every feature of every DVD bearing the DVD logo and/or every Video CD bearing the CD logo. As one of the creators of DVD technology, Toshiba DVD players are manufactured using the highest standards of quality, and as a result, such incompatibilities are rare. If you happen to experience any difficulty playing a DVD or a Video CD on this DVD Home Theater System, please feel free to call our Consumer Solution Center (see page 45).

Manufactured under license from Dolby Laboratories. "Dolby", "Pro Logic", and the double-D symbol are trademarks of Dolby Laboratories. Confidential Unpublished works. Copyright 1992-1997 Dolby Laboratories. All rights reserved.
Manufactured under license from Digital Theater Systems, Inc. US Pat. No's. 5,451,942; 5,956,674; 5,974,380; 5,978,762; 6,487,535 and other US and world-wide patents issued and pending. "DTS" and "DTS Digital Surround" are registered trademarks of Digital Theater Systems, Inc. Copyright 1996, 2003 Digital Theater Systems, Inc. All rights reserved.

Note on DTS-encoded CDs

When playing DTS-encoded CDs, excessive noise may be exhibited from the analog stereo output. To avoid possible damage to the audio system, turn down the volume before playing back such discs, adjust the volume gradually, and keep the volume level low. To enjoy DTS Digital Surround® playback, an external 5.1 channel DTS Digital Surround® decoder system must be connected to the digital output of the unit.

Regional code

This DVD Home Theater System is designed and manufactured for playback of region "1" encoded DVD software. This unit can play only DVD discs labeled "1" or "ALL".



Notes on Regional Codes

- Most DVD discs have a globe with one or more numbers in it clearly visible on the cover. This number must match your DVD Home Theater System's regional code or the disc cannot play.
- If you try to play a DVD with a different region code from your player, the message "Check Regional Code" appears on the TV screen.

Notes on copyright

The unauthorized recording, use, distribution, or revision of television programs, videotapes, DVDs and other materials, is prohibited under the Copyright Laws of the United States and other countries, and may subject you to civil and/or criminal liability.

Disc-related terms

VCD (Video CD)

A VCD holds up to 74 minutes (650 MB disc) or 80 minutes (700 MB disc) of MPEG-1 full-motion video along with quality stereo sound.

MPEG

MPEG is an international standard for video and audio compression. MPEG-1 is used in encoding video for VCD and provides for multichannel surround sound coding such as PCM, Dolby Digital, DTS and MPEG audio.

MP3

MP3 is a popular compression format used for digital audio files that yields very high near-CD quality.

WMA

Windows Media® audio file. A type of coding / decoding developed by Microsoft Corp.

JPEG

Joint Pictures Expert Group. JPEG is a compressed file format that allows you to save images with no limit on the number of colors.

Note on Windows Media

Windows Media is either a registered trademark or trademark of Microsoft Corporation in the United States and/or other countries.

PBC: Playback Control (Video CD only)

Playback control is available for Video CD (VCD) version 2.0 disc formats. PBC allows you to interact with the system via menus, search functions, or other typical computer-like operations. Moreover, still pictures of high resolution can be played if they are included in the disc. Video CDs not equipped with PBC (Version 1.1) operate in the same way as audio CDs.

Title (DVD video discs only)

A title is generally a distinct section of a DVD disc. For example the main feature could be title 1, a documentary describing how the film was made could be title 2, and cast interviews could be title 3. Each title is assigned a reference number enabling you to locate it easily.

Chapter (DVD video discs only)

A chapter is a segment of a title such as a scene in a film or one interview in a series. Each chapter is assigned a chapter number, enabling you to locate the chapter you want. Depending on the disc, chapters may not be recorded.

Scene (VCD)

On a video CD with PBC (playback control) functions, moving pictures and still pictures are divided into sections called “scenes”. Each scene is displayed in the menu screen and assigned a scene number, enabling you to locate the scene you want. A scene is composed of one or several tracks.

Track

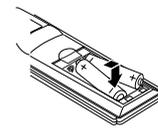
A distinct element of audiovisual information, such as the picture or sound track for a specific language (DVD), or a musical piece on a video or audio CD. Each track is assigned a track number, enabling you to locate the track you want. DVD discs allow one track of video (with multiple angles) and several tracks of audio.

Remote Control Operation Range

Point the remote control at the remote sensor and press the buttons.

- **Distance:** About 7m (23ft) from the front of the remote sensor
- **Angle:** About 30° in each direction of the front of the remote sensor

Remote control battery installation



Detach the battery cover on the rear of the remote control, and insert two R03 (size AAA) batteries with **+** and **-** aligned correctly.

⚠ Caution

Never throw batteries into a fire.

Notes:

- Be sure to use AAA size batteries.
- Dispose of batteries in a designated disposal area.
- Batteries should always be disposed of with the environment in mind. Always dispose of batteries in accordance with applicable laws and regulations.
- If the remote control does not operate correctly, or if the operating range becomes reduced, replace batteries with new ones.
- When necessary to replace batteries in the remote control, always replace both batteries with new ones. Never mix battery types or use new and used batteries in combination.
- Always remove batteries from remote control if they are dead or if the remote control is not to be used for an extended period of time. This will prevent battery acid from leaking into the battery compartment.

Front Panel

POWER button and indicator
Switches the unit ON and OFF.
Green when the unit is turns on.
Red when the unit is at standby.

Drawer
Insert a disc here.

▶ PLAY/PAUSE/MONO/STEREO

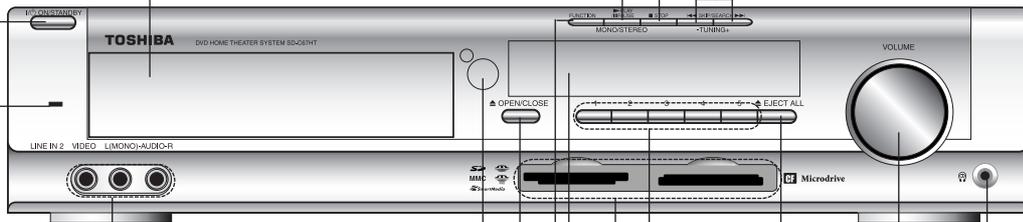
To play back a disc.
Pause playback of a disc temporarily.
Switches STEREO or MONO in the FM mode.

■ STOP

Stops playback.

◀◀ SKIP/SEARCH ▶▶/TUNING +/-

Go to beginning of current chapter/
track or go to NEXT chapter/track.
Selects FM and AM band.



Remote Sensor
Point the unit here.

▲ OPEN/CLOSE
Opens or closes the Drawer.

FUNCTION
Select the unit's function mode.
(DVD/CD, AV 1, AV 2, FM, or AM)

Display window
Shows the current status of the
unit.

MEMORY CARD Slot
Insert a memory card
(CF, MD, SMC, MMC, SD,
MS or MS-Pro).

Disc buttons (DISC 1 - DISC 5)
Press to select the disc directly.

▲ EJECT ALL
Press to open all disc trays.

VOLUME Control
Turn the knob clockwise to increase
sound level, counterclockwise to
decrease sound level.

PHONES
To connect headphones.

LINE IN 2 (VIDEO / AUDIO (Left/Right))
Connect the audio/video output of an external source
(Audio system, TV/ Monitor, VCR, Camcorder, Game System etc.).

Display Window

DISC INDICATORS

Flashes when a disc is loaded in the disk tray.

Indicates sound mode is DOLBY PRO LOGIC or DOLBY PRO LOGIC II.

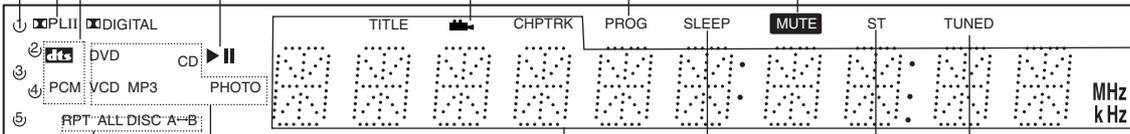
Indicates encoding format of the current disc.

Indicates the unit is playing back a disc or indicates the unit is pause playback of a disc temporarily.

ANGLE active

Programmed playback active.

MUTE The speaker sound is muted.



DVD DVD inserted.
CD CD disc inserted.
VCD Video CD inserted.
MP3 MP3 disc inserted.
PHOTO PHOTO disc inserted.

Repeat playback mode indicators.

SLEEP timer indication

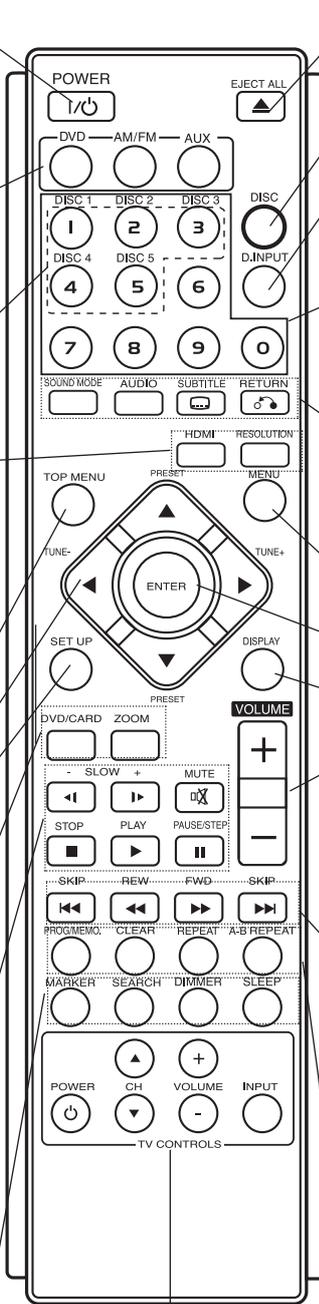
Indicates clock, total playing time, elapsed time, remaining time, title number, chapter/track number, radio frequency, volume, Surround mode or current deck status (Playback, Pause, etc).

Lights up when the unit tunes in a station.

Lights up when a stereo broadcast is being received.

Remote Control

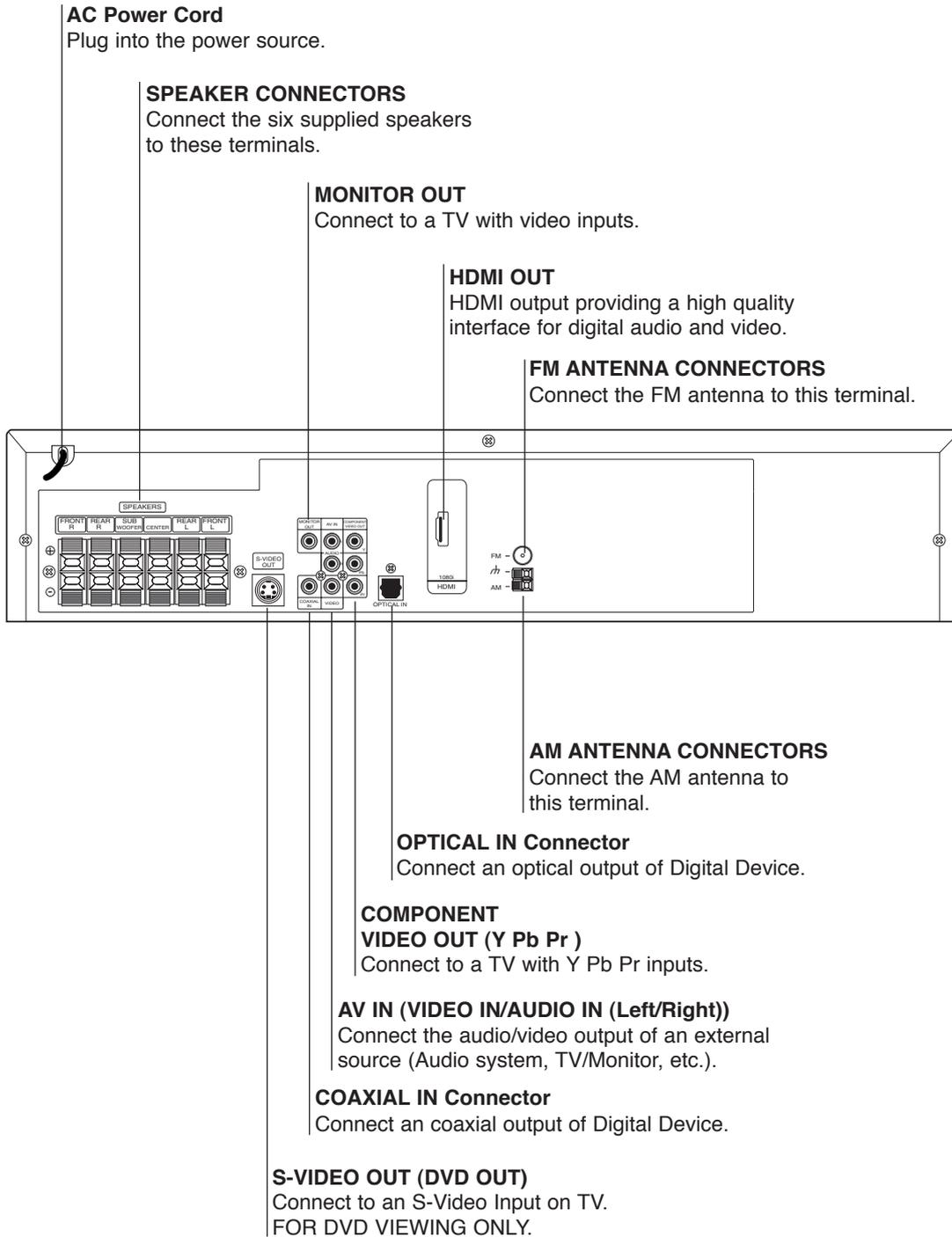
- POWER**
Turns DVD Home Theater System ON and OFF.
- DVD**
Select the DVD Home Theater System's function mode to DVD.
- FM/AM**
Select FM or AM band as the listening choice. (FM and AM bands).
- AUX**
Selects external input source. (AV1 or AV2)
- Disc buttons (1-5)**
- HDMI**
Switches the HDMI mode to OFF.
- **HDMI mode:** You can switch among the 480p, 720p or 1080i resolution.
- **Component mode:** You can switch among the 480i, 480p, 720p or 1080i resolution.
(If the disc is copy protected, you can select 480p resolution only.)
- RESOLUTION**
Changes the resolution depending on your TV.
- TOP MENU**
Displays the disc's Title menu, if available.
◀/▶/▲/▼ (left/right/up/down)
Selects an option in the menu.
- SETUP**
Accesses or removes DVD Setup menu.
- DVD/CARD**
Accesses the Photo (or Music) menu for memory card.
- ZOOM**
Enlarges DVD/VCD video image.
- SLOW-/+(◀/▶)**
Reverse/ Forward slow playback.
- MUTE**
Turns the sound on and off temporarily.
- STOP (■)**
Stops playback.
- PLAY (▶)**
Starts playback.
- PAUSE/STEP (⏸)**
Pause playback temporarily.
- MARKER**
Marks any point during playback.
- SEARCH**
Displays Marker Search menu.
- DIMMER**
Press to change brightness of the display window on the front panel during in power-on status.
- SLEEP**
Set the System to turn off automatically at a specified time.



- TV Control Buttons**
- **POWER:** Switches TV ON and OFF.
 - **CHANNEL ▲/▼:** Selects TV's channel.
 - **VOLUME +/-:** Adjusts TV's volume.
 - **INPUT:** Selects the TV's source.

- EJECT ALL**
Opens and closes all disc tray.
- DISC**
To select desired a disc.
- D.INPUT**
To listen to an audio source connected to the DIGITAL AUDIO IN (OPTICAL or COAXIAL) jack with video from AV IN or LINE IN 2.
- 0-9 numerical buttons**
Selects numbered options in a menu.
- SOUND MODE**
Selects sound mode.
- AUDIO**
Selects an audio language (DVD) or an audio channel (CD).
- SUBTITLE**
Selects a subtitle language.
- RETURN (↶)**
Removes the menu.
- MENU**
Accesses menu on a DVD disc.
- ENTER**
Acknowledges menu selection.
- DISPLAY**
Accesses On-Screen display.
- VOLUME (+/-)**
Adjusts speaker sound.
- SKIP (◀◀)**
- Skip to beginning of current DVD/CD chapter or track, press twice in quick succession to go to previous DVD/CD chapter or track.
- Press and hold for a fast reverse picture search in DVD mode.
- REW**
For fast reverse picture search.
- FWD**
For fast forward picture search.
- SKIP (▶▶)**
- Skip to next DVD/CD chapter or track.
- Press and hold for a fast forward picture search in DVD mode.
- PROG/MEMO.**
- Accesses or removes Program menu.
- Stores a radio station's frequency in the tuner's memory.
- CLEAR**
Removes a track number on the program menu or a mark on the MARKER SEARCH menu.
Clears preset stations from the tuner memory.
- REPEAT**
Repeat chapter, track, title or all.
- A-B REPEAT**
Repeats sequence between two points (A and B)

Rear Panel



**Do not touch the inner pins of the jacks on the rear panel.
Electrostatic discharge may cause permanent damage to the unit.**

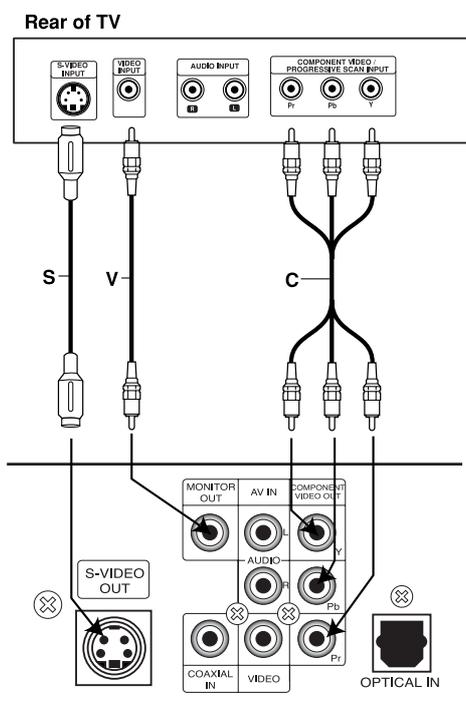
Installation and Setup

Setting up the DVD Home Theater System

The picture and sound of a nearby TV, VCR, or radio may be distorted during playback. If this occurs, position the DVD Home Theater System away from the TV, VCR, or radio, or turn off the unit after removing the disc.

DVD Home Theater System Connections

Depending on your TV and other equipment there are various ways you can connect the DVD Home Theater System. Please refer to the manuals of your TV, stereo system or other devices as necessary for additional connection information.



Rear of DVD Home Theater System

Video Connections to Your TV

Make sure the DVD Home Theater System is connected directly to the TV and not to a VCR, otherwise the DVD image could be distorted by the copy protection system.

Video: Connect the MONITOR OUT jack on the DVD Home Theater System to the video in jack on the TV using the video cable (V).

S-Video: Connect the S-VIDEO OUT jack on the DVD Home Theater System to the S-Video in jack on the TV using the S-Video cable (S).

Notes:

- For MONITOR OUT and S-VIDEO OUT jack connection, resolution must be set to 480i or 480p by pressing RESOLUTION on the remote control, however MONITOR OUT and S-VIDEO OUT is always at 480i standard resolution.
- HDMI mode must be set to OFF for VIDEO OUT and S-VIDEO OUT jack connection.

Component Video (ColorStream®): Connect the COMPONENT VIDEO OUT jacks on the DVD Home Theater System to the corresponding in jacks on the TV using an Y Pb Pr cable (C).

Progressive Scan (ColorStream Pro®):

- If your television is a high-definition or “digital ready” television, you may take advantage of the DVD Home Theater System’s progressive scan output for the highest video resolution possible.
- If your TV does not accept the Progressive Scan format, the picture will appear scrambled if you try Progressive Scan on the DVD Home Theater System.

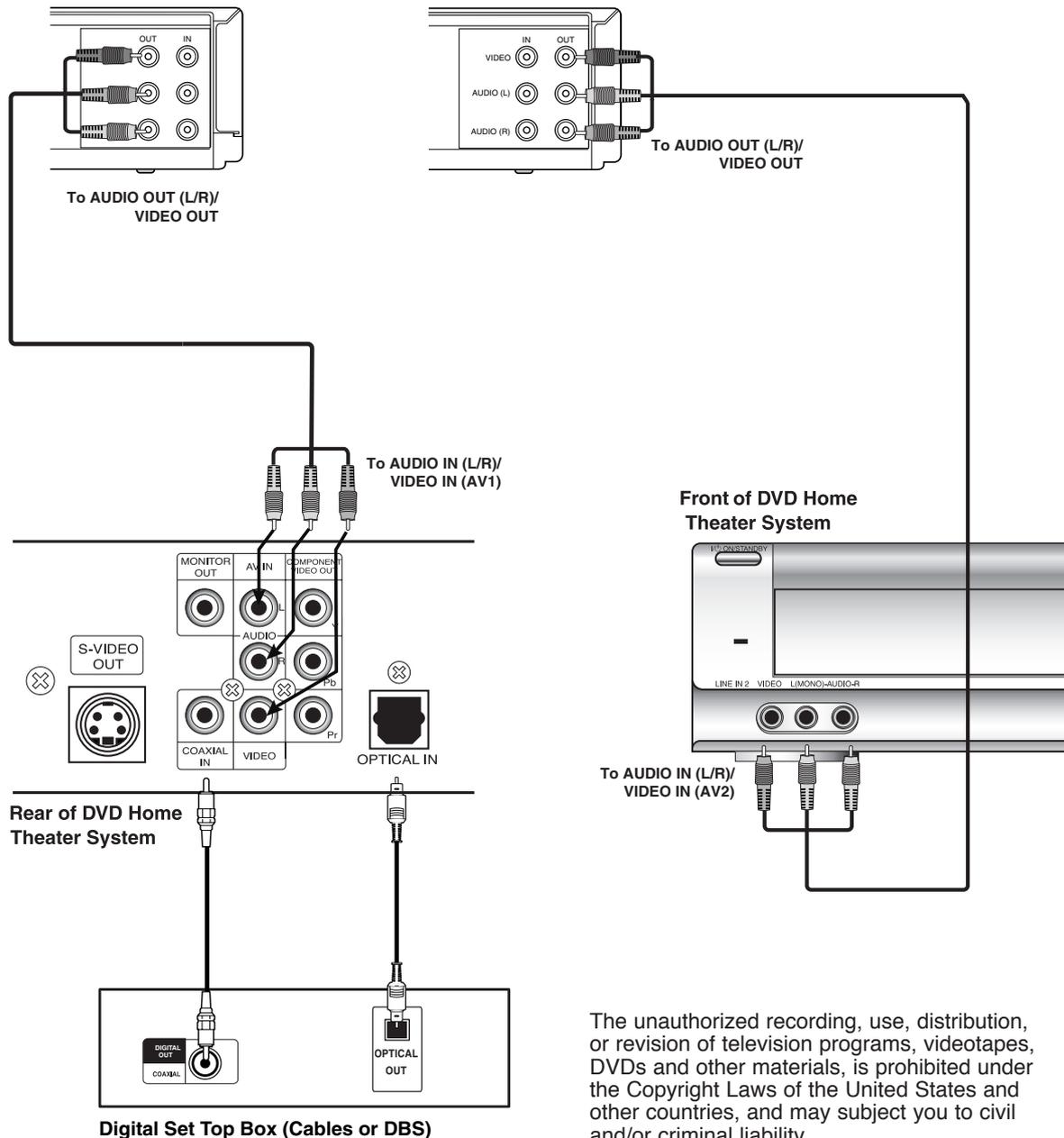
Notes:

- You can change the resolution (480i, 480p, 720p, 1080i) for the COMPONENT VIDEO OUT by pressing RESOLUTION on the remote control.
- For 720p and 1080i resolution, only non-copy protected discs can be played back. If the disc is copy protected, it will be displayed at the 480p resolution. The resolution (720p, 1080i) is for the component output only.
- HDMI mode must be set to OFF for Component video connections.
- The resolution (720p, 1080i) does not work with the analog video connections (VIDEO OUT & S-VIDEO).

Audio Connection to Optional Equipment

Connect the DVD Home Theater System to your optional equipment for audio output.

1. Connect a VCR to the AV IN connectors (rear).
2. Connect an additional VCR to the LINE IN 2 connectors (front).
3. Connect an optical output of DVD Home Theater System (or Digital Device etc) to the OPTICAL IN connector.
4. Connect a coaxial output of DVD Home Theater System (or Digital Device etc) to the COAXIAL IN connector.



The unauthorized recording, use, distribution, or revision of television programs, videotapes, DVDs and other materials, is prohibited under the Copyright Laws of the United States and other countries, and may subject you to civil and/or criminal liability.

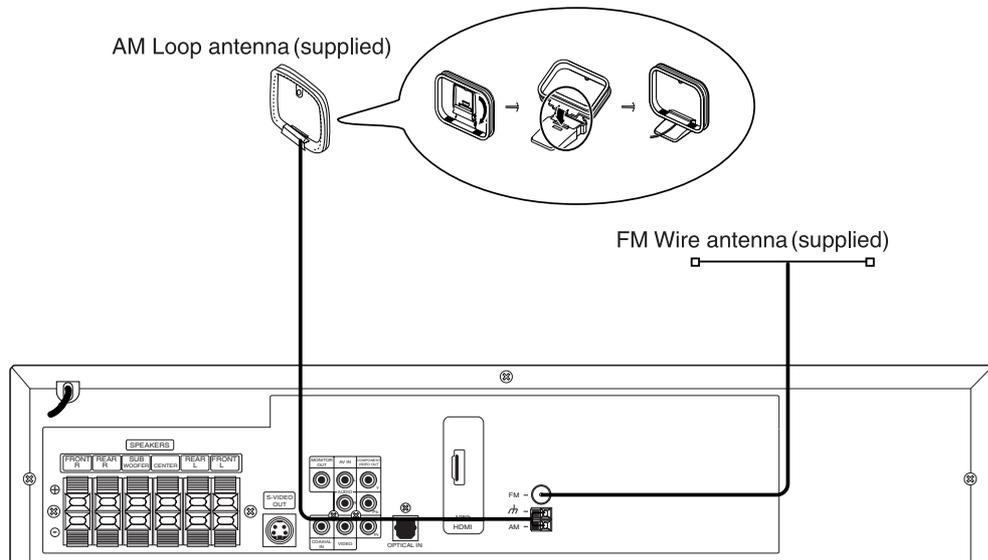
Note:

- If the audio format of the digital output does not match the capabilities of your DVD Home Theater System, the receiver will produce a strong, distorted sound or no sound at all.

Antenna Connections

Connect the supplied FM/AM antenna for listening to the radio.

- Connect the AM Loop antenna to the AM antenna connector.
- Connect the FM Wire antenna to the FM antenna connector.



Notes:

- To prevent noise pickup, keep the AM Loop antenna away from the DVD/CD receiver and other components.
- Be sure to fully extend the FM wire antenna.
- After connecting the FM Wire antenna, keep it as horizontal as possible.

HDMI Connection

If you have a HDMI TV or monitor, you can connect it to this DVD Home Theater System using a HDMI cable.

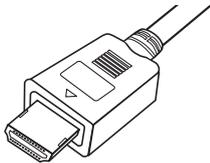
1. Connect the HDMI OUT jack on the Home Theater System to the HDMI jack on a HDMI compatible TV or monitor (H).
2. Set the TV's source to HDMI (refer to TV's Owner's manual).
3. In stop mode, select HDMI mode by pressing HDMI on the remote control. Press RESOLUTION repeatedly to select the resolution you wish to change to then press PLAY. The DVD disc must not be playing in order to set the resolution.

Tip:

You can also use a DVI input on the TV (with no sound) with the HDMI output and HDMI to DVI converter cable.

Notes:

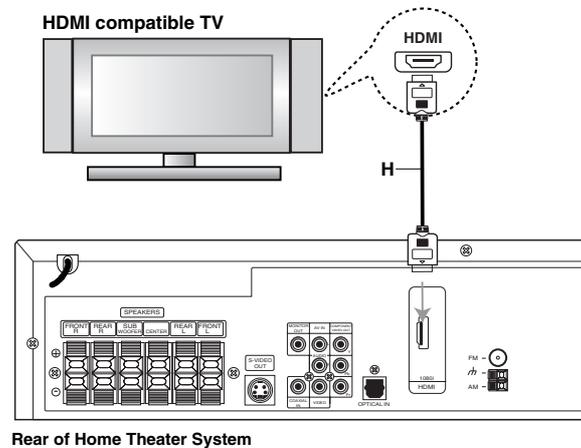
- The cable connector should face the correct alignment with the connector on the Home Theater System.



- When you use HDMI, the other connections (Yellow VIDEO OUT, S-Video and Component Video (Pr Pb Y)) will not work.
- If there is noise or lines on the screen, please check the HDMI cable.

Tip:

When you use HDMI connection, you can change the resolution (480p, 720p, 1080i) for the HDMI output by pressing RESOLUTION on the remote control. 480i is not available. You can only change the resolution within your TV's and Monitor's resolution capabilities.



ABOUT HDMI

HDMI™ (High Definition Multimedia Interface) supports both video and audio. on a single digital connection for use with DVD Players, Set-Top Boxes, and other AV devices.

HDMI was developed to provide the technologies of HDCP (High Definition Contents Protection). HDCP is used to protect digital content transmitted and received.

Because HDMI is an evolving technology, it is possible that some devices may not operate properly with the DVD Home Theater System.

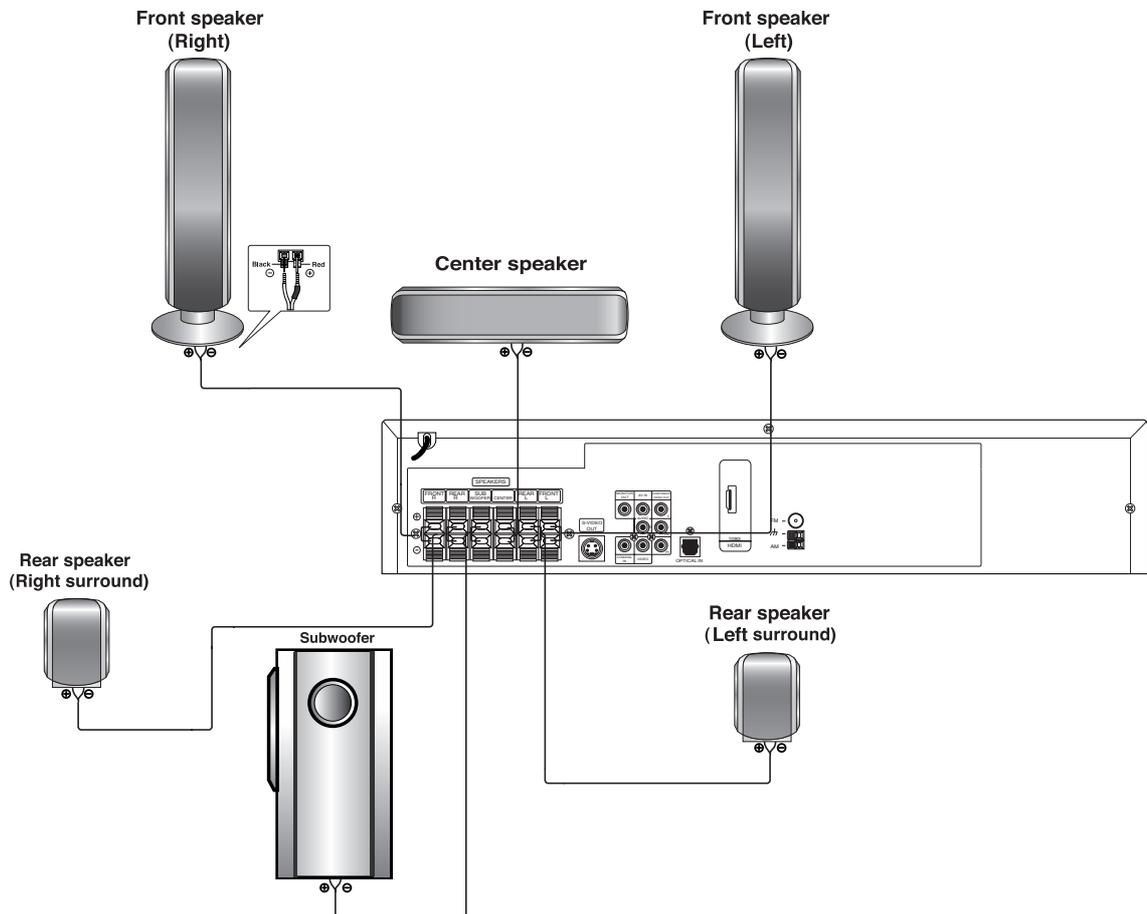
HDMI has the capability to support standard, enhanced, or high-definition video plus standard to multi-channel surround-sound audio, HDMI features include uncompressed digital video, a bandwidth of up to 5 gigabytes per second, one connector (instead of several cables and connectors), and communication between the AV source and AV devices such as DTVs.

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

Speaker System Connection

Connect the speakers using the supplied speaker cords.

To obtain the best possible surround sound, adjust the speaker parameters (volume, distance, etc.).



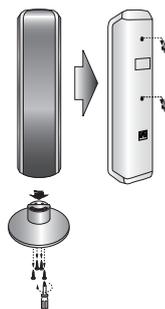
Notes:

- Be sure to match the speaker cable to the appropriate terminal on the components: + to + and – to –. If the cables are reversed, the sound will be distorted and will lack base.
- If you use front speakers with low maximum input rating, adjust the volume carefully to avoid excessive output on the speakers.

To hang the front speaker on the wall

You can hang the Front Speaker on the wall.

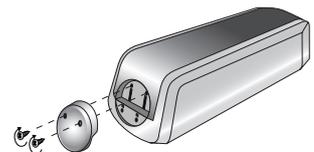
- 1 Detach the stand by rotating the screw on the bottom of the Front Speaker.**
- 2 Hang it via hole on the rear side of the Front Speaker on the screw.**



How to attach the cap to the front speaker

You can attach the cap to the Front Speaker.

- 1 Put the supplied cap into the place where you have detached the leg.**
- 2 Screw it accordingly.**



Speaker Positioning

In the case of normal position use the 6 speakers (2 front speakers, centre speaker, 2 rear speakers and subwoofer).

If you want to play the excellent bass sound, DTS digital surround or Dolby Digital surround, you should connect a subwoofer.

- **Front speakers**

According to your listening position set up the speakers for equal distance. And by hearing position set up the interval between speakers to 45 degree.

- **Centre speaker**

The centre speakers and front speakers are ideally the same height. But normally place it above or below the television.

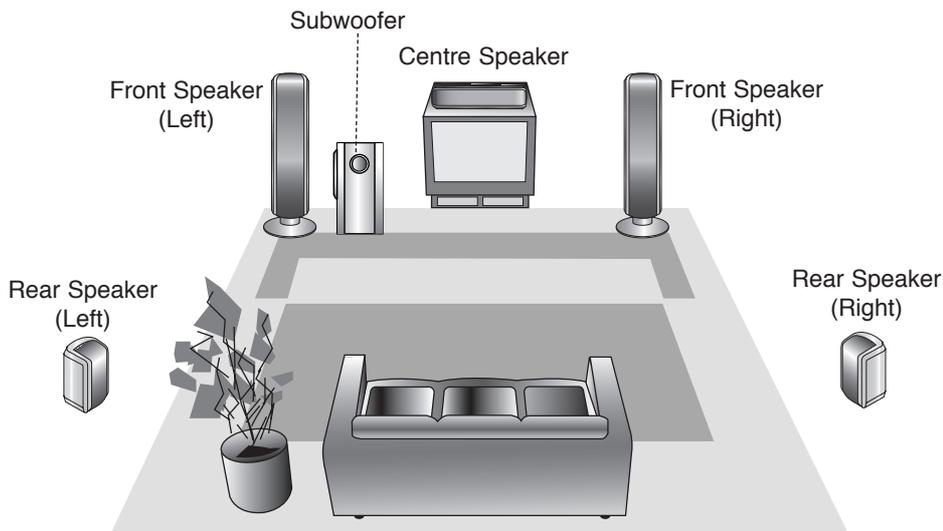
- **Rear speakers**

Place left and right behind the listening area. These speakers recreate sound motion and atmosphere required for surround sound playback. For best results, do not install the rear speakers too far behind the listening position and install them at or above the level of the listener's ears. It is also effective to direct the rear speakers towards a wall or ceiling to further disperse the sound.

In the case of a smaller room size, if the audience is near to the rear wall set the rear speakers opposite each other, and set the rear speakers above 60 - 90 cm than the listener's ears.

- **Subwoofer**

This can be placed in any front position.



Speaker Positioning Example

About Ferrite Core

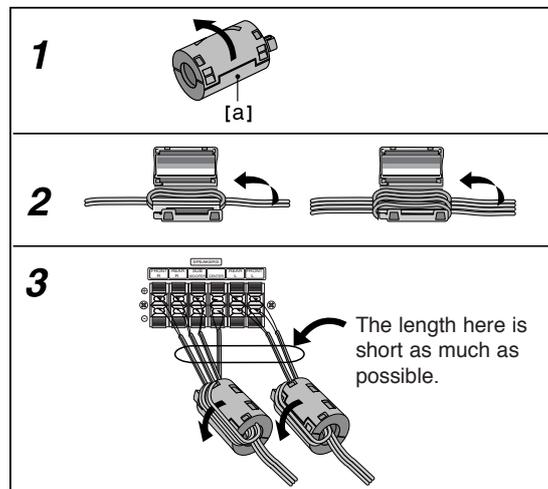
Be sure to attach the ferrite core to the speaker cables (for connecting to this unit). This ferrite core can reduce noises.

How to attach the ferrite core

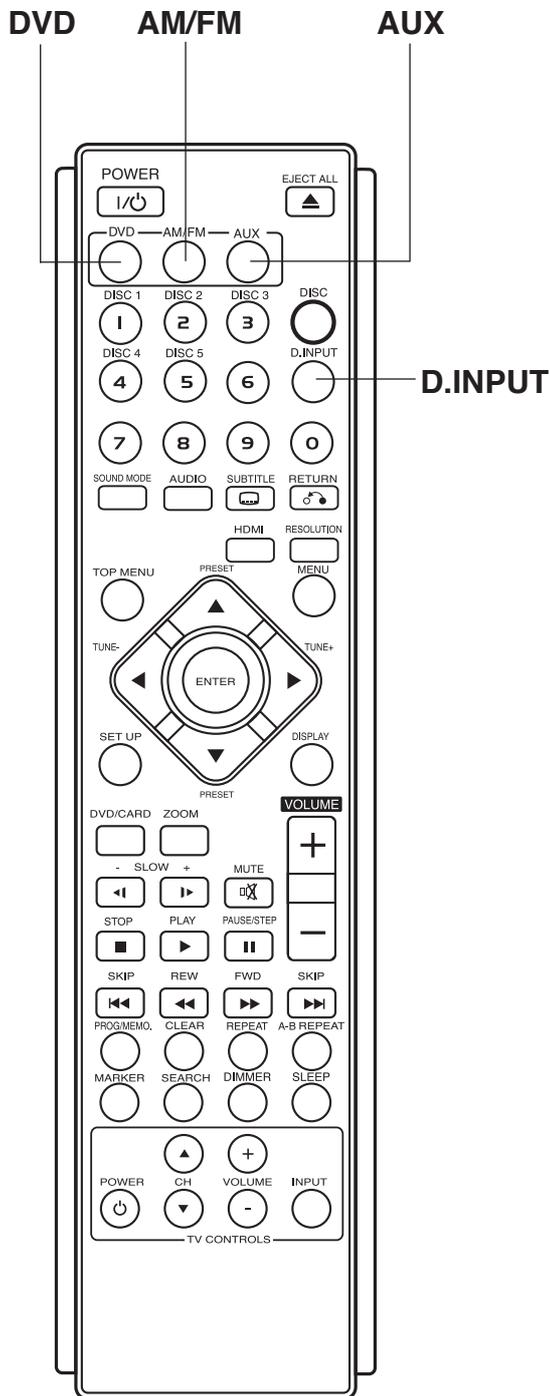
- 1 Press the stopper [a] of the ferrite core to open.
- 2 Wind the cable once on the ferrite core.
- 3 Close the ferrite core until it clicks.

Note:

- Attach the ferrite core near the unit (Refer to the fig.3 and comment.).



Selecting the Input/Output Source



Follow these guidelines to select and switch among the various DVD Home Theater System input and output sources:

- **DVD/CD**

To view output from the DVD deck:

Press DVD on the remote or FUNCTION on the front panel until the DVD indicator on the front panel lights and output from the DVD deck is viewed on the TV screen.

- **AM/FM**

To listen to AM/FM radio broadcasts:

Press AM/FM on the remote to toggle between AM and FM radio. The selected frequency appears on the front panel display.

- **INPUT**

To view a source connected to the front or rear LINE inputs:

Press AUX to select AV IN (AV 1) (for rear panel) or LINE IN 2 (AV 2) (for front panel).

- **AUX**

To listen to an audio source connected to the DIGITAL AUDIO IN (OPTICAL or COAXIAL) jack with video from AV IN or LINE IN 2:

Press D.INPUT on the remote control once. AV 1 OPT or AV 2 OPT will appear on the front panel display. Audio will come from an external source connected to the DIGITAL AUDIO IN (OPTICAL) jack and video will come from an external source connected to the VIDEO IN jack of AV IN (for rear panel) or LINE IN 2 (AV 2) (for front panel).

Press D.INPUT on the remote control twice. AV 1 COAX or AV 2 COAX will appear on the front panel display. Audio will come from an external source connected to the DIGITAL AUDIO IN (COAXIAL) jack and video will come from an external source connected to the VIDEO IN jack of AV IN (for rear panel) or LINE IN 2 (AV 2) (for front panel).

To listen to an audio source connected to the AUDIO IN jack of AV IN or LINE IN 2 with video from AV IN or LINE IN 2 :

Press AUX on the remote control three times. AV 1 or AV 2 will appear on the front panel display. Audio will come from an external source connected to the AUDIO IN jacks of AV IN (for rear panel) or LINE IN 2 (AV 2) (for front panel) and video will come from an external source connected to the VIDEO IN jack of AV IN (for rear panel) or LINE IN 2 (AV 2) (for front panel).

Mini Glossary for Audio Stream & Surround Mode

dtS

Allows you to enjoy 5.1 (or 6) discrete channels of high quality digital audio from DTS program sources such as discs, DVD and compact discs, etc. bearing the trademark. DTS Digital Surround delivers up to 6 channels of transparent audio (which means identical to the original masters) and results in exceptional clarity throughout a true 360 degree sound field. "DTS" and DTS Digital Surround" are registered trademarks of Digital Theater Systems, Inc. Manufactured under license from Digital Theater Systems, Inc.

DIGITAL

The Dolby Digital surround format lets you enjoy up to 5.1 channels of digital surround sound from a Dolby Digital program source. If you play DVDs with "DOLBY DIGITAL" mark, you can enjoy even better sound quality, greater spatial accuracy, and improved dynamic range.

PRO LOGIC

Use this mode when playing movie or Dolby Digital 2 channel which carries the "DOLBY SURROUND" mark. This mode provides the effect of being in a movie theatre or live concert house—an effect with an intensity which can only be obtained through DOLBY PRO LOGIC SURROUND. The effect of the front/back/left/right movement of the sound image, as well as the sense of fixed position in the sound image, is much clearer and more dynamic than before.

PRO LOGIC (II)

Dolby Pro Logic II creates five full-bandwidth output channels from two-channel sources. This is done using an advanced, high-purity matrix surround decoder that extracts the spatial properties of the original recording without adding any new sounds or tonal colorations.

MOVIE mode:

The Movie mode is for use with stereo television shows and all programs encoded in Dolby Surround. The result is enhanced soundfield directionality that approaches the quality of discrete 5.1-channel sound.

MUSIC mode:

The Music mode is for use with any stereo music recordings.

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.

3D SURROUND

This unit can produce a 3D Surround effect, using 3D Surround Sound technology, which simulates multi-channel audio playback from two conventional stereo speakers instead of the five or more speakers normally required to listen to multi-channel audio from a home theatre. This feature works with DVD discs encoded with Dolby Pro Logic and Dolby Digital audio tracks.

BYPASS

Software with multichannel surround audio signals is played according to the way it was recorded.

Sound Mode

You can enjoy surround sound simply by selecting one of the pre-programmed sound fields according to the program you want to listen to.

Each time you press **SOUND** button, the sound mode is changed in the following order;

PRO LOGIC → PLII MOVIE → PLII MUSIC →
PLII MATRIX → ROCK → POP → LIVE → DANCE →
TECHNO → CLASSIC → SOFT → 3D SURR → BYPASS ...
(This function available 2-channel mode only)

Tips:

- ROCK: Reproduces the acoustics of rock music.
- POP: Reproduces the acoustics of pop music.
- LIVE: Reproduces the acoustics of a 300-seat live.
- DANCE: Reproduces the acoustics of dance music.
- TECHNO: Reproduces the acoustics of techno music.
- CLASSIC: Reproduces the acoustics of orchestral music.
- SOFT: Ideal for soft acoustic sounds.

When DVD is inserted.

You can change the audio mode of DVD (Dolby Digital, DTS, PRO LOGIC, etc) by pressing the **AUDIO** button on the remote during playback. Although the DVD contents differ from disc to disc, the following explains the basic operation when this feature is used.

Each time you press **AUDIO** button, the audio mode of DVD is changed as the following order;

DIGITAL → **dtS** → **PCM** → **DIGITAL**

For your reference

- **The DVD Home Theater System memorizes the last mode settings for each source individually.**
- **You can identify the encoding format of program software by looking at its packaging.**
 - Dolby Digital discs are labeled with the **DOLBY DIGITAL** logo.
 - Dolby Surround encoded programs are labeled with the **DOLBY SURROUND** logo.
 - DTS Digital Surround discs are marked with DTS.

Note:

- Sound Mode is not applicable when headphone is used.
- Depending on the disc, some of the DVD audio mode may not be available.

Manufactured under license from Dolby Laboratories. "Dolby", "Pro Logic", and the double-D symbol are trademarks of Dolby Laboratories.

On-Screen Display

You can display the general playback status on the TV screen. Some items can be changed using the menu.

To use the on-screen display:

1. Press DISPLAY during playback.
2. Press ▲ / ▼ to select an item. The selected item is highlighted.
3. Press ◀ / ▶ to change the setting. You can also use the number buttons if appropriate (e.g. inputting the title number). For some functions, press ENTER to execute the setting.

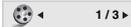
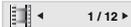
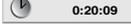
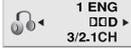
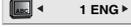
Notes:

- Some discs may not provide all of the features shown below.
- If no button is pressed for 10 seconds, the on-screen display disappears.

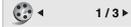
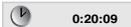
PLAYBACK STATUS/RESTRICTIONS

-  Title Repeat title
-  A - B Repeat sequence
-  1 / 9 Enter a Marker
-  MARKER SEARCH Marker Search menu
-  Resume play from this point
-  Action prohibited or not available

Example: On-Screen Display during playing DVD Video

Items		Selection Method
Title Number		◀ / ▶, Numbers ENTER
Chapter Number		◀ / ▶, Numbers ENTER
Time search		Numbers, ENTER
Audio language and Digital Audio Output mode		◀ / ▶ or AUDIO
Subtitle language		◀ / ▶ or SUBTITLE
Angle		◀ / ▶
Sound		◀ / ▶

Example: On-Screen Display during playing VCD

Items		Selection Method
Track Number (or PBC mode)		◀ / ▶, Numbers ENTER
Time search		Numbers ENTER
Audio Channel		◀ / ▶ or AUDIO
Sound		◀ / ▶

Initial Settings

By using the Setup menu, you can make various adjustments to items such as picture and sound. You can also set a language for the subtitles and the Setup menu, among other things. For details on each Setup menu item, see pages 21 to 24.

To display and exit the Menu:

Press **SETUP** to display the menu. A second press of **SETUP** will take you back to initial screen.

To go to the next level:

Press **▶** on the remote control.

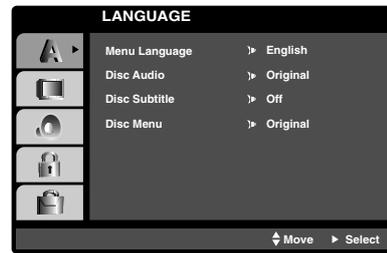
To go back to the previous level:

Press **◀** on the remote control.

GENERAL OPERATION

1. Press **SETUP**. The Setup menu appears.
2. Use **▲ / ▼** to select the desired option then press **▶** to move to the second level. The screen shows the current setting for the selected item, as well as alternate setting(s).
3. Use **▲ / ▼** to select the second desired option then press **▶** to move to the third level.
4. Use **▲ / ▼** to select the desired setting then press **ENTER** to confirm your selection. Some items require additional steps.
5. Press **SETUP** or **PLAY** to exit the Setup menu.

LANGUAGE



Menu Language

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

Disc Audio / Subtitle / Menu **DVD**

Select the language you prefer for the audio track (disc audio), subtitles, and the disc menu.

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. If you enter the wrong language code, press **CLEAR**.

DISPLAY



TV Aspect **DVD**

4:3: Select when a standard 4:3 TV is connected.

16:9 Wide: Select when a 16:9 wide TV is connected.

Display Mode **DVD**

Display Mode setting works only when the TV Aspect mode is set to "4:3".

Letterbox: Displays a wide picture with bands on the upper and lower portions of the screen.

Panscan: Automatically displays the wide picture on the entire screen and cuts off the portions that do not fit.

AUDIO

Each DVD disc has a variety of audio output options. Set the receiver's AUDIO options according to the type of audio system you use.



5.1 Speaker Setup **DVD**

Select speaker settings, including volume balance and distance, or test the speaker settings.

Speaker settings are only active on the Analog Multi-Channel Output. (See "5.1 Speaker Setup", page 36.)

Dynamic Range Control (DRC) **DVD**

With the DVD*1 format, you can hear a program's soundtrack in the most accurate and realistic presentation possible, thanks to digital audio technology. However, you may wish to compress the dynamic range of the audio output (the difference between the loudest sounds and the quietest ones). Then, you may listen to a movie at a lower volume without losing clarity of sound. Set DRC to On for this effect.

*1: Dolby Digital only

Vocal **DVD**

Set Vocal to On only when a multi-channel karaoke DVD is playing. The karaoke channels on the disc will mix into normal stereo sound.

LOCK (Parental Control)



Rating DVD

Some movies contain scenes that may not be suitable for children to view. Many of these discs contain parental control information that applies to the complete disc or to certain scenes on the disc. Movies and scenes are rated from 1 to 8, depending on the country. Some discs offer more suitable scenes as an alternative.

The parental control feature allows you to block access to scenes below the rating you input, thereby preventing your children from being able to view material you believe is unsuitable.

1. Select "Rating" on the LOCK menu then press ►.
2. To access the Rating, Password and Country Code features, you must input the 4-digit security code you created. If you have not yet entered a security code you are prompted to do so.

Input a 4-digit code and press ENTER. Enter it again and press ENTER to verify. If you make a mistake before pressing ENTER, press CLEAR.

3. Select a rating from 1 to 8 using the ▲ / ▼ buttons.

Rating 1-8: Rating one (1) has the most restrictions and rating eight (8) is the least restrictive.

Unlock

If you select unlock, parental control is not active and the disc plays in full.

Notes:

If you set a rating for the player, all disc scenes with the same rating or lower are played. Higher rated scenes are not played unless an alternate scene is available on the disc. The alternative must have the same rating or a lower one. If no suitable alternative is found, playback stops. You must enter the 4-digit password or change the rating level in order to play the disc.

4. Press ENTER to confirm your rating selection, then press SETUP to exit the menu.

Password (Security Code)

You can enter or change password.

1. Select Password on the LOCK menu then press ►.
2. Follow step 2 as shown left (Rating). "Change" or "New" is highlighted.
3. Enter the new 4-digit code, then press ENTER. Input it again to verify.
4. Press SETUP to exit the menu.

If you forget your Security Code

If you forget your security code you can clear it using the following steps:

1. Press SETUP to display the Setup menu.
2. Input the 6-digit number "210499" and the security code is cleared.
3. Enter a new code as described above.

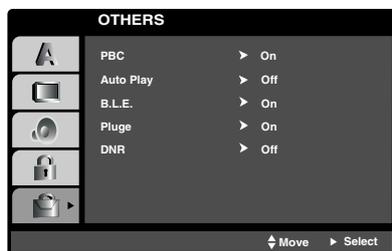
Country Code DVD

Enter the code of the country/area whose standards were used to rate the DVD video disc, based on the list in the reference chapter.

1. Select "Country Code" on the LOCK menu then press ►.
2. Follow step 2 as shown left (Rating).
3. Select the first character using ▲ / ▼ buttons.
4. Press ENTER and select the second character using ▲ / ▼ buttons.
5. Press ENTER to confirm your country code selection.

OTHERS

The DRC, Vocal, PBC, Auto Play, B.L.E., Pluge and DNR settings can be changed.



PBC **VCD**

Set Playback Control (PBC) to On or Off.

On: Video CDs with PBC are played according to the PBC.

Off: Video CDs with PBC are played the same way as Audio CDs.

Auto Play **DVD**

You can set up the DVD Home Theater System so a DVD disc automatically starts playing whenever the DVD is inserted.

If Auto Play mode is set to On, this DVD Home Theater System will search for title that has the longest playback time and then play back the title automatically.

On: Auto Play function is active.

Off: Auto Play function is not active.

Note:

- The Auto Play function may not work for some DVDs.

B.L.E. (Black Level Expansion)

To select the black level of playback pictures. Set your preference and monitor's ability.

On: Expanded grey scale. (0 IRE cut off)

Off: Standard grey scale. (7.5 IRE cut off)

Pluge (Blacker than Black) **DVD**

For proper adjustment of your television brightness settings utilizing a commercially available test disc.

On: Select when you adjust the level of your TV using a commercially available test disc that contains pluge signals.

Off: For normal use.

DNR (Digital Noise Reduction)

DVD VCD2.0 VCD1.1

You can reduce ambient noise in the picture.

DNR1: Normal level

DNR2: Expanded level.

Off: Off.

Notes:

- Actual picture enhancement may vary depending on the quality of the disc.
- While the DNR2 (expanded level) can provide additional improvement in the reduction of noise in the video signal, it may produce undesirable picture artifacts on some discs. Should this occur, select a more appropriate DNR level (normal or off).
- Depending on the disc, some picture detail may be lost by the picture enhancement.

Operation

Playback Setup

Turn on the TV and select the video input source connected to the DVD Home Theater System.

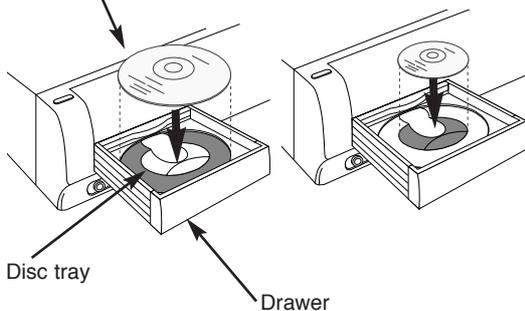
TO INSERT DISCS

1. Press OPEN/CLOSE on the unit.
"OPEN SEL" will appear in the display window.
2. Press the desired DISC (1-5) on the unit.
The selected disc tray number will appear in the display window and on the TV screen.
The drawer comes out and selected disc tray slides out.

3. Place a disc.

Label side up

When placing an 8 cm
(3 inches) disc



4. Press OPEN/CLOSE to close the tray. Playback starts automatically. If playback does not start, press PLAY (▶).
In some cases, the disc menu might appear instead:

TO OPEN ALL DISCS

Press EJECT ALL on the unit to open all disc trays in the drawer during playback or stop.

"EJECT ALL" will appear in the display window.

You can check a disc in the disc tray.

TO SELECT A PLAYBACK DISC

Press DISC and press desired disc button (DISC 1-5) on the remote control.

Tip:

You can also use the disc number play buttons on the unit.

Notes:

- To ensure good system performance, wait until the disc tray completely read the disc(s) before proceeding.
- The DVD Home Theater System is only able to read the status of the current selected disc tray.

TO REPLACE DISCS DURING PLAYBACK

You are able to replace or load a disc into the other four trays without interrupting current playback.

While playback, press OPEN/CLOSE and press the desired DISC (1-5) on the unit to open disc tray (refer to "TO INSERT DISCS").

Notes:

- If you press OPEN/CLOSE of the active disc tray, the disc will stop playing and the disc tray will slide out.
- Once the disc tray is opened, it will be deselected.
- Do not place more than one compact disc on one disc tray at the same time.
- Do not push the drawer to close as you may damage the unit.

TO PLAY ALL DISCS ON THE DISC TRAYS **CD**

Press PLAY (▶) on the remote control or on the unit.

All the available discs will play once.

Tip:

During playback, track number and elapsed playing time of the current track will appear in the display window.

Note:

- This function is not available during Repeat playback or Programmed playback mode.

Playing a DVD or Video CD

DVD

Use the ◀ ▶ ▲ ▼ buttons to select the title/chapter you want to view, then press ENTER to start. Press TOP MENU or MENU to return to the menu screen.

VCD

Use the number buttons to select the track you want to view and press RETURN to return to the menu screen. Menu settings and operating procedures may differ. Follow the instructions on the each menu screen. You also may set PBC to Off (See "PBC" on page 24).

Notes:

- If parental control is set and the disc is not within the rating settings you must input the password. (See "Lock Menu" on page 23).
- DVDs may have a region code. Your receiver does not play discs that have a region code different from your unit. The region code for this receiver is 1 (one).

General Features

Note:

- Unless stated otherwise, all operations described use the remote control. Some features may also be available on the Setup menu.

MOVING TO ANOTHER TITLE DVD

When a disc has more than one title, you can move to another title. Press DISPLAY while playback is stopped followed by the appropriate number (0-9) or use ◀ / ▶ to move to another title. You can play any title by inputting its number while playback is stopped.

MOVING TO ANOTHER CHAPTER/TRACK

DVD VCD

When a title on a disc has more than one chapter or a disc has more than one track, you can move to another chapter/track as follows:

- Press SKIP ◀◀ or ▶▶ briefly during playback to select the next chapter/track or to return to the beginning of the current chapter/track.
- Press SKIP ◀◀ twice briefly to step back to the previous chapter/track.
- To go directly to any chapter during DVD playback, press DISPLAY and press ▲ / ▼ to select the chapter/track icon. Then, input the chapter/track number or use ◀ / ▶.

SEARCH DVD VCD

1. Press and hold REW ◀◀ or FWD ▶▶ for about two seconds during playback.
The receiver will now go into SEARCH mode.
2. Press and hold REW ◀◀ or FWD ▶▶ repeatedly to select the required speed:
DVD disc; X2, X4, X16 or X100
Video CD; X2, X4 or X8
3. To exit SEARCH mode, press PLAY ▶.

CHANGING THE AUDIO CHANNEL VCD

Press AUDIO repeatedly during playback to hear a different audio channel (Stereo, Left, or Right).

STILL PICTURE AND FRAME-BY-FRAME PLAYBACK

DVD **VCD**

1. Press PAUSE/STEP on the remote control during playback. Advance the picture frame-by-frame by pressing PAUSE/STEP repeatedly.
2. To exit still motion mode, press PLAY(▶).

SLOW SCAN **DVD** **VCD**

1. Press SLOW - ◀▶ or SLOW ▶▶ + during playback.
The DVD Home Theater System will enter SLOW mode.
2. Use the SLOW - ◀▶ or SLOW ▶▶ + to select the required speed: ◀▶ 1/16, ◀▶ 1/8, ◀▶ 1/4, or ◀▶ 1/2 (backward: DVD only), or ▶▶ 1/16, ▶▶ 1/8, ▶▶ 1/4, or ▶▶ 1/2 (forward: DVD and VCD).
3. To exit Slow Motion mode, press PLAY(▶).

A-B REPEAT **DVD** **VCD**

To repeat a sequence.

1. Press A-B REPEAT at your chosen starting point. "A * " appears briefly on the TV screen.
2. Press A-B REPEAT again at your chosen end point.
"A B" appears briefly on the TV screen and the repeat sequence begins.
3. Press A-B REPEAT again to cancel.

REPEAT **DVD** **VCD**

You can play a title/chapter/all/track on a disc. Press REPEAT during playback to select a desired repeat mode.

DVD Video Discs - Repeat Chapter/Title/Off

- Chapter: repeats the current chapter.
- Title: repeats the current title.
- Off : does not play repeatedly.

Video CDs discs - Repeat Track/All/Off

- Track : repeats the current track
- All : repeats all the tracks on a disc.
- Off : does not play repeatedly.

Notes:

- On a Video CD with PBC, you must set PBC to Off on the setup menu to use the repeat function (See "PBC" on page 24).
- If you press SKIP (▶▶) once during Repeat Chapter (Track) playback, the repeat playback cancels.

TIME SEARCH **DVD** **VCD**

To start playing at any chosen time on the disc:

1. Press DISPLAY during playback. The time search box shows the elapsed playing time.
2. Press ▲ / ▼ to select the time clock icon and "-:--:--" appears.
3. Input the required start time in hours, minutes, and seconds from left to right. If you enter the wrong numbers, press CLEAR to remove the numbers you entered. Then input the correct numbers.
4. Press ENTER to confirm. Playback starts from the selected time.

ZOOM **DVD** **VCD**

Use zoom to enlarge the video image.

1. Press ZOOM during playback or still playback to activate the Zoom function. The square frame appears briefly in the right bottom of the picture.
2. Each press of the ZOOM button changes the TV screen in the sequence: 100% size → 400% size → 1600% size → screen fit mode → 100% size
Screen fit mode:
You can change the way the image appears on the screen when you're playing a DVD movie. Press ▲▼ to select between Normal, Enhanced, and Maximum.
3. Use the ◀▶▲▼ buttons to move through the zoomed picture.
4. To resume normal playback, press CLEAR.

Notes:

- Zoom may not work on some DVDs.
- Screen fit mode is available for playing the DVD disc, VR disc and movie file.

MARKER SEARCH **DVD** **VCD**

To enter a Marker

You can start playback from up to nine memorized points. To enter a marker, press MARKER at the desired point on the disc. The Marker icon appears on the TV screen briefly. Repeat to enter up to nine markers.

To Recall or Clear a Marked Scene

1. During disc playback, press SEARCH. The marker search menu appears on the screen.
2. Within 10 seconds, press ◀/▶ to select a marker number that you want to recall or clear.
3. Press ENTER and playback starts from the marked scene. Or, Press CLEAR and the marker number is erased from the list.
4. You can play any marker by inputting its number on the marker search menu.

PAUSE **DVD** **VCD**

1. Press PAUSE/STEP during playback.
2. To return to playback, press PLAY.

Special DVD Features

CHECKING THE CONTENTS OF DVD DISCS: MENUS

DVDs may offer menus that allow you to access special features. To use the disc menu, press MENU. Input the corresponding number or use the ◀▶▲▼ buttons to highlight your selection. Then press ENTER.

TOP MENU **DVD**

1. Press TOP MENU. If the current title has a top menu, the menu appears on the screen. Otherwise, the disc menu may appear.
2. The menu offers features such as camera angles, spoken language and subtitle options, and chapters for the title.
3. Press TOP MENU to exit.

MENU **DVD**

Press MENU and the disc menu is displayed. Press MENU again to exit.

CAMERA ANGLE **DVD**

If the disc contains scenes recorded at different camera angles, you can change to a different camera angle during playback.

1. Press DISPLAY during playback.
2. Use ▲ or ▼ to select the angle option. The angle option will be highlighted.
3. Use ◀ or ▶ to select angle.

Tip:

The angle indicator will appear on the front display during scenes recorded at different angles as an indication that angle switching is possible.

CHANGING THE AUDIO LANGUAGE

DVD

Press AUDIO repeatedly during playback to hear a different audio language or audio track. With DVD-RW discs recorded in VR mode that have both a main and a Bilingual audio channel, you can switch between Main (L), Bilingual (R), or a mix of both (Main + Bilingual) by pressing AUDIO.

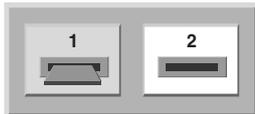
SUBTITLES **DVD**

Press SUBTITLE repeatedly during playback to see the different subtitle languages.

Playing an Memory Card M/C

You can play Photo, Music, and MOVIE files in Memory Cards with this DVD Home Theater System.

1. Insert a Memory Card until it fits into place.
2. Press DVD/CARD on the remote control. The Memory Card slot choice menu appears on the TV screen.



Note:

If both slots are connected with Memory Card, use ◀ / ▶ to select the desired Memory Card slot.

3. Press ENTER. The menu appears.



MUSIC Menu

PHOTO Menu

4. Press DVD/CARD or RETURN to exit the menu.

For details on each operation item, refer to relevant page. (Page 30~33.)

Cards capable of displaying

Readable Cards

- SmartMedia® Card (SMC)
- Compact Flash® Card (CFC)
- Micro Drive (MD)
- Secure Digital Card (SD)
- MultiMediaCard™ (MMC)
- Memory Stick™ (MS)
- Memory Stick™ Pro (MS-Pro)
- Compatible with: FAT 12, FAT 16, or FAT 32
- Only use the memory cards recommended.

Regarding Write Protect

For cards that have a write protect switch, if the switch is on it will not be possible to write or erase the contents of the card.

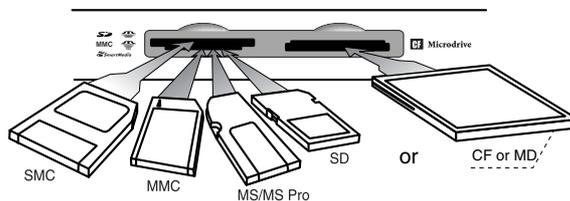
Notes:

- Never remove the memory card or turn off the DVD Home Theater System while using the memory card. Doing so may result in loss of data or damage to the memory card or the DVD Home Theater System. SUCH DAMAGE IS NOT COVERED BY YOUR TOSHIBA WARRANTY.
- It is recommended that you back up your memory card data. Toshiba is not liable for any damage caused by the use of any memory card with this DVD Home Theater System. Toshiba will not compensate for any lost data or recording(s) caused by the use of such cards.
- For instructions on using your digital camera, refer to the owner's manual for your camera.
- For instructions on using your memory card, refer to the owner's manual for your memory card.
- Failure to take proper care of a memory card may prevent display of pictures or playback of MP3 files from the card or result in damage to the memory card or DVD Home Theater System. SUCH DAMAGE IS NOT COVERED BY YOUR TOSHIBA WARRANTY.
- The technical criteria set out in this owner's manual are meant as a guide only.
- Keep the memory card out of reach of children. If swallowed, seek medical advice immediately.
- This DVD Home Theater System cannot format a memory card.
- If you insert two memory cards into the DVD Home Theater System simultaneously, file in the memory cards will not be able to be played.
- If a folder in your memory card has more than 645 files, the files will not be able to be read.

⚠ Caution

- Do not insert or extract the smart card when accessing the CF (Compact Flash) card.
- **Before you extract your memory cards, you should press the DVD/CARD to display the DVD menu screen. Otherwise you will lose your data in your memory card or the memory card can be damaged.**

Inserting/Removing the Memory Card



Inserting the card.

Insert straight-in until it fits into place.

Removing the card

Extract the card from the card slot.

Playing an Audio CD/Memory card or MP3/WMA Disc

The DVD Home Theater System can play MP3/WMA formatted recordings on CD-ROM, CD-R, or CD-RW discs.

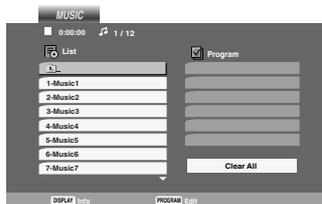
Audio CD

Once you insert an audio CD/Memory card a menu appears on the TV screen. Press ▲ / ▼ to select a track then press PLAY or ENTER and playback starts.



MP3 / WMA

1. Press ▲ / ▼ to select a folder, and press ENTER to see the folder contents.
2. Press ▲ / ▼ to select a track then press PLAY or ENTER. Playback starts.



ID3 TAG

- When playing a file containing information such as track titles, you can see the information by pressing DISPLAY. [Title, Artist, Album, Year, Comment]
- If there is no information, "NO ID3 TAG" appear on the display.

Tip:

- If you are in a file list on the MUSIC menu and want to return to the Folder list, use the ▲ / ▼ to highlight  and press ENTER.
- Press MENU to move to the next page.
- On a CD/Memory card with MP3/WMA and JPEG you can switch MP3/WMA and JPEG. Press TOP MENU and MUSIC or PHOTO word on top of the menu is highlighted.

MP3 / WMA disc compatibility with this player is limited as follows:

- Sampling frequency: within 8 - 48 kHz (MP3), within 32 - 48kHz (WMA)
- Bit rate: within 8 - 320kbps (MP3), 32 - 192kbps (WMA)
- The player cannot read an MP3/WMA file that has a file extension other than ".mp3" / ".wma".
- CD-R physical format should be ISO 9660
- If you record MP3 / WMA files using software that cannot create a file system (eg. Direct-CD) it is impossible to playback MP3 / WMA files. We recommend that you use Easy-CD Creator, which creates an ISO 9660 file system.
- File names should have a maximum of 8 letters and must incorporate an .mp3 or .wma extension.
- They should not contain special letters such as / ? * : " < > | etc.
- The total number of files on the disc should be less than 650.

This DVD Home Theater system requires discs/ recordings to meet certain technical standards in order to achieve optimal playback quality. Pre-recorded DVDs are automatically set to these standards. There are many different types of recordable disc formats (including CD-R containing MP3/WMA files). Because this area of technology is still evolving, Toshiba cannot guarantee that all recordable discs will produce optimal playback quality. The technical criteria set forth in this owner's manual are meant only as a guide.

Please be advised that you must obtain permission from the applicable copyright owners to download copyrighted content, including music files, in any format, including the MP3 and WMA formats, prior to the downloading thereof. Toshiba has no right to grant and does not grant permission to download any copyrighted content.

Audio CD/Memory card and MP3/WMA Disc Features

PAUSE **CD** **M/C** **MP3** **WMA**

1. Press PAUSE/STEP during playback.
2. To return to playback, press PLAY(▶), or press PAUSE/STEP again.

MOVING TO ANOTHER TRACK **CD**

M/C

1. Press SKIP (◀◀ or ▶▶) briefly during playback to go to the next track or to return to the beginning of the current track.
2. Press SKIP ◀◀ twice in quick succession to go back to the previous track.
3. You can play any track by inputting its number.

Note:

Accessing track by direct inputting the track number is not available for MP3 and WMA.

REPEAT TRACK/ALL/OFF **CD** **M/C**

MP3 **WMA**

You can play a track/all on a disc.

1. Press REPEAT when playing a disc. The repeat icon appears.
2. Press REPEAT to select a desired repeat mode.
 - Track: repeats the current track
 - All: repeats all the tracks on a disc.
 - Off(No display): does not play repeatedly.

Note:

If you press SKIP (▶▶) once during Repeat Track playback, the repeat playback cancels.

SEARCH **CD** **M/C** **MP3** **WMA**

1. Press REW ◀◀ or FWD ▶▶ during playback.
2. Press REW ◀◀ or FWD ▶▶ repeatedly to select the required speed: X2, X4, X8 backward or forward.
3. To exit SEARCH mode, press PLAY(▶).

A-B REPEAT **CD** **M/C**

1. To repeat a sequence during disc playback press REPEAT A-B at your chosen starting point. The Repeat icon and "A" appear on the menu screen.
2. Press REPEAT A-B again at your chosen end point. The Repeat icon and "A-B" appear on the menu screen, and the sequence begins to play repeatedly.
3. To exit the sequence and return to normal play, press REPEAT A-B again. The Repeat icon disappears from the menu screen.

3D SURROUND **CD** **M/C**

To produce a 3D surround effect that simulates multi-channel audio from two stereo speakers (instead of the 5.1 speakers normally required for multi-channel audio from a home theater system).

1. Press AUDIO during playback. "3D SUR." appears on the menu screen.
2. To return to normal playback, press AUDIO repeatedly until "3D SUR." disappears from the menu screen.

Programmed Playback

The program function enables you to store your favorite tracks from any disc in the DVD Home Theater System memory. A program can contain 30 tracks.

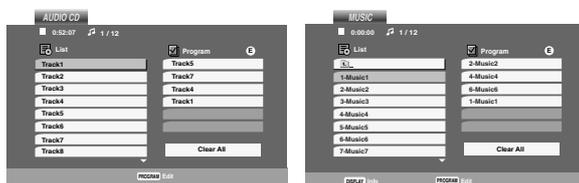
1. Insert a disc.
Audio CD/Memory card or MP3/WMA Discs:
AUDIO CD/Memory card or MUSIC menu appears.

2. Press PROG.

The **E** mark will appear to the right of the word "Program" on the right side of the menu screen.

Note:

Press PROG again, then the **E** mark will disappear to exit the Program Edit mode.



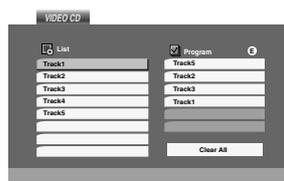
Audio CD Menu

MP3/WMA Menu

Video CD: Press PROG while playback is stopped. The program menu appears. Press PROG again and hold it down for a few seconds to exit the menu.

Note:

On a Video CD with PBC, you must set PBC to Off on the setup menu to use the programmed playback (See "PBC" on page 24).



Video CD Menu

3. Select a track on the "List", then press ENTER to place the selected track on the "Program" list. Repeat to place additional tracks on the list.
4. Press **▶**.
Select the track you want to start playing on the "Program" list.
5. Press PLAY or ENTER to start. Playback begins in the order in which you programmed the tracks. Playback stops after all of the tracks on the "Program" list have played once.
6. To resume normal playback from programmed playback, select a track of AUDIO CD/Memory card (or MUSIC) list and then press PLAY.

REPEAT PROGRAMMED TRACKS

1. Press REPEAT during program playback. The repeat icon appears.
2. Press REPEAT to select a desired repeat mode.
 - Track: repeats the current track
 - All: repeats all the tracks on programmed list.
 - Off(No display): does not play repeatedly.

Note:

If you press **▶▶** once during Repeat Track playback, the repeat playback cancels.

ERASING A TRACK FROM "PROGRAM" LIST

1. Use **▲ ▼** to select the track that you wish to erase from the Program list.
2. Press CLEAR to erase the highlighted track.

ERASING THE COMPLETE PROGRAM LIST

1. Press **▶** to move to the "Program" list.
2. Use **▲ / ▼** to select "Clear All", then press ENTER.

Note:

The programs are also cleared when the disc is removed.

Viewing a JPEG Disc

Using this DVD Home Theater System you can view discs with JPEG files.

1. Insert a disc and close the tray. The PHOTO menu appears on the TV screen.



2. Press ▲ / ▼ to select a folder, and press ENTER. A list of files in the folder appears. If you are in a file list and want to return to the previous Folder list, use the ▲ / ▼ buttons on the remote to highlight and press ENTER.
3. If you want to view a particular file, press ▲ / ▼ to highlight a file and press ENTER or PLAY. Viewing the file proceeding starts. While viewing a file, you can press STOP to move to the previous menu (PHOTO menu).

Tips:

- Press MENU to move to the next page.
- There are three Slide Speed options : >>> (Fast), >> (Normal), and > (Slow). Use ▲ ▼ ◀ ▶ to highlight the Speed. Then, use ◀ / ▶ to select the option you want to use then press ▲ / ▼ to highlight . Press PLAY or ENTER to start slide show playback.
- On a disc with MP3/WMA and JPEG you can switch MP3/WMA and JPEG. Press TOP MENU and MUSIC or PHOTO word on top of the menu is highlighted.
- Press RETURN, information of file is hidden.

STILL PICTURE **JPEG**

1. Press PAUSE/STEP during slide show. The player will now go into PAUSE mode.
2. To return to the slide show, press PLAY or press PAUSE/STEP again.

MOVING TO ANOTHER FILE **JPEG**

Press SKIP (or) or cursor (or) once while viewing a picture to advance to the next or previous file.

ZOOM **JPEG**

Use zoom to enlarge the photo image. (see page 28)

TO ROTATE PICTURE **JPEG**

Press ▲ / ▼ during showing a picture to rotate the picture clockwise or counter clockwise.

TO LISTEN TO MP3/WMA MUSIC

WATCHING PICTURE **JPEG**

You can display files while listening to MP3/WMA music files recorded on the same disc.

1. Insert the disc containing the two types of file in the player.
2. Press TOP MENU to display PHOTO menu.
3. Press ▲ / ▼ to select a photo file.
4. Use ▶ to select icon then press ENTER. Playback starts. The playback will continue until STOP is pressed.

Tip:

To listen to only the desired music watching picture, programmed the desired tracks from the "MUSIC" menu and then proceed as above.

JPEG disc compatibility with this player is limited as follows:

- Depending upon the size and number of JPEG files, it could take a long time for the DVD Home Theater System to read the disc's contents. If you don't see an on-screen display after several minutes, some of the files may be too large — reduce the resolution of the JPEG files to less than 2M pixels as 2760 x 2048 pixels and burn another disc.
- The total number of files and folders on the disc should be less than 650.
- Some discs may be incompatible due to a different recording format or the condition of disc.
- Ensure that all the selected files have the ".jpg" extensions when copying into the CD/Memory layout.
- If the files have ".jpe" or ".jpeg" extensions, please rename them as ".jpg" file.
- File names without ".jpg" extension will not be able to be read by this DVD Home Theater System. Even though the files are shown as JPEG image files in Windows Explorer.

Maintenance and Service

Refer to the information in this chapter before contacting a service technician.

HANDLING THE UNIT

When shipping the unit

Please save the original shipping carton and packing materials. If you need to ship the unit, for maximum protection, re-pack the unit as it was originally packed at the factory.

Keeping the exterior surfaces clean

- Do not use volatile liquids such as insecticide spray near the unit.
- Do not leave rubber or plastic products in contact with the unit for a long period of time. since they leave marks on the surface.

Cleaning the unit

To clean the DVD Home Theater System, use a soft, dry cloth. If the surfaces are extremely dirty, use a soft cloth lightly moistened with a mild detergent solution.

Do not use strong solvents such as alcohol, benzene, or thinner, as these might damage the surface of the unit.

Maintaining the Unit

The DVD Home Theater System is a high-tech, precision device. If the optical pick-up lens and disc drive parts are dirty or worn, the picture quality could be diminished.

Depending on the operating environment, regular inspection and maintenance are recommended after every 1,000 hours of use.

For details, please contact your nearest authorized service center.

Additional Features

LAST SCENE MEMORY

DVD

This receiver memorizes last scene from the last disc that is viewed. The last scene remains in memory even if you remove the disc from the receiver or switch off the receiver. If you load a disc that has the scene memorized, the scene is automatically recalled.

Note:

This receiver does not memorize the scene of a disc if you switch off the receiver before commencing to play the disc.

VIDEO MODE SETTING

- With certain discs, the playback picture may be flickering or Dot Crawl is shown on straight lines. That means Vertical interpolation or De-interlace is not perfectly matched with the disc. In this case, the picture quality may be improved by changing the video mode.
- To change the video mode, press and hold DISPLAY about 3 seconds during disc playback. The new video mode number selected is displayed on the TV screen. Check whether the video quality has improved. If not, repeat the above procedure until picture quality is improved.
- Video mode change sequence:
MODE1 → MODE2 → MODE3 → MODE1
- If you turn off the power, the video mode will be back to initial state (MODE1).

Tip:

Detailed Descriptions for Video Modes

MODE1: The source material of the DVD video (film material or video material) is determined from disc information.

MODE2: Suitable for playing film based content or video based material recorded by the progressive scan method.

MODE3: Suitable for playing video based content with comparatively little motion.

SLEEP TIMER SETTING

You can set the DVD Home Theater System to turn off automatically at a specified time.

1. Press SLEEP to set the desired sleep time.

The SLEEP indicator and sleep time appears in the display window.

2. Each time you press SLEEP the setting changes in the following order.

SLEEP 180 → 150 → 120 → 90 → 80 → 70 → 60 → 50 → 40 → 30 → 20 → 10 → OFF

Note:

- You can check the time remaining before the DVD Home Theater System turns off. Press SLEEP. The remaining time appears in the display window.

DIMMER

This function will change the brightness of the display window on the front panel during in power-on status. Press the DIMMER repeatedly.

MUTE

Press MUTE to mute your unit.

You can mute your unit in order, for example, to answer the telephone, "MUTE" indicator flashes in the display window.

Press MUTE again to release it.

USING HEADPHONE JACK

Connect a stereo headphone plug (ø3.5mm) into the **PHONES connector**.

The speakers are automatically disconnected when you plug in a headphone (not supplied).

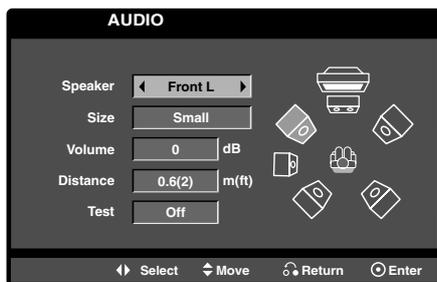
5.1 Speaker Setup

This chapter includes important reference information to help you set your DVD Home Theater System.

Speaker Setup

Make the following settings for the built-in 5.1 channel surround decoder.

1. Press SETUP. The setup menu appears.
2. Use ▲ / ▼ to select the AUDIO option then press ► to move to the second level.
3. Use ▲ / ▼ to select the Speaker Setup option then press ► to move to the third level. "Select" is highlighted.
4. Press ENTER and 5.1 Speaker Setup menu appears.



5. Use ◀ / ▶ to select the desired speaker.
6. Adjust options using ▲ / ▼ / ◀ / ▶ buttons.
7. Press ENTER to confirm your selection. Returns to the previous menu.

Speaker selection

Select a speaker that you want to adjust. (Front speakers (Left), Center Speaker, Front speakers (Right), Rear speakers (Right), Rear speakers (Left), or SubWoofer)

Note:

Certain speaker settings are prohibited by the Dolby Digital licensing agreement.

Size

Since the speaker settings are fixed, you cannot change the settings.

Volume

Press ◀ / ▶ to adjust the output level of the selected speaker. (-6dB ~ +6dB)

Distance

If you connected speakers to your DVD Home Theater System, 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.

[0.3(1)m(ft) - 6.0(20)m(ft)]

Test

Press ◀ / ▶ to test the signals of each speaker. Adjust the volume to match the volume of test signals memorized in the system.

Front Left (L) → Center → Front Right (R) →
Rear Right (R) → Rear Left (L) → SubWoofer

You can adjust the volume during operating the test tone, first use ▲ / ▼ to select Volume of Speaker option then use ◀ / ▶ buttons to select volume of the speaker, so that all speaker's volume is same from the listener's position.

During operating the test tone, if you adjust the volume, it will be paused in the current speaker channel.

Presetting the Radio Stations

You can preset 50 stations for AM (MW) and FM. Before tuning, make sure that you have turned down the volume.

1. Press AM/FM on the remote control until AM (MW) or FM appears in the display window.
2. And then every time you press AM/FM, AM (MW) or FM changes alternately.
3. Press and hold TUNE - or + on the remote control or TUNING - or + on the front panel for about two seconds until the frequency indication starts to change, then release.
Scanning stops when the DVD Home Theater System tunes in a station. "TUNED" and "ST." (for stereo program) appear in the display window.
4. Press PROG on the remote control.
A preset number will flash in the display window.
5. Press PRESET ▲ or ▼ on the remote control to select the preset number you want.
6. Press PROG on the remote control again.
The station is stored.
7. Repeat steps 3 to 6 to store other stations.

To tune in a station with a weak signal

Press TUNE - or + repeatedly in step 3 to tune in the station manually.

To clear all the stored stations

Press and hold PROG for about two seconds and "CLEAR ALL" is appeared in the display window and then press PROG again, the stations are cleared.

- If you have accidentally entered into the "CLEAR ALL" mode and you do not wish to clear the memory, do not press any key. After a few seconds, the "CLEAR ALL" display will go off by itself and change to normal mode.

Note:

If all stations have already been entered, the FULL message will appear in the display window for a moment and then a preset number will flash. To change the preset number, follow the steps 5-6 as above.

Listening to the Radio

Preset radio stations in the DVD Home Theater System's memory first (see "Presetting radio stations" on the left).

1. Press AM/FM until AM (MW) or FM appears in the display window.
The last received station is tuned in.
2. Press ▲ or ▼ repeatedly on the remote control to select the preset station you want.
Each time you press the button, the DVD Home Theater System tunes in one preset station at a time.
3. Adjust the volume by rotating VOLUME on the front panel or by pressing VOLUME + or - on the remote control repeatedly.

To turn off the radio

Press POWER to turn the DVD Home Theater System off or select another function mode (DVD/CD, AV 1, etc.,).

To listen to non-preset radio stations

- Use manual or automatic tuning in step 2.
- For manual tuning, press TUNE - or + on the remote control repeatedly.
- For automatic tuning, press and hold TUNE - or + on the remote control for about two seconds on the front panel.

To select a preset radio station directly

You can use the number buttons on the remote control to select a preset radio station directly. For example, to listen to preset station 4, press 4 on the remote control. To listen to preset station 19, press 1 then 9 (within 3 seconds).

For your reference

- **If an FM program is noisy**
Press MONO/STEREO on the front panel so that "STEREO" disappears in the display window. There will be no stereo effect, but the reception will improve. Press MONO/STEREO on the front panel again to restore the stereo effect.
- **To improve reception**
Reorient the supplied antennas.

Controlling Your TV with the Supplied Remote

The remote control can be compatible with various brands of TV by setting their control codes. The TOSHIBA code has initially been set to control TOSHIBA TVs.

SETTING TV CONTROL CODES

1. While holding down PROG/MEMO. button, enter the two digits of your TV's brand code (listed on page 39) using number buttons.
2. Release PROG/MEMO.

By pressing	You can
POWER	Turn the TV on or off.
CH (▼/▲)	To select TV channels in the upper or lower direction.
VOLUME (+/-)	Adjust the volume of the TV.
INPUT	Switch the TV's input source between the TV and other input sources.

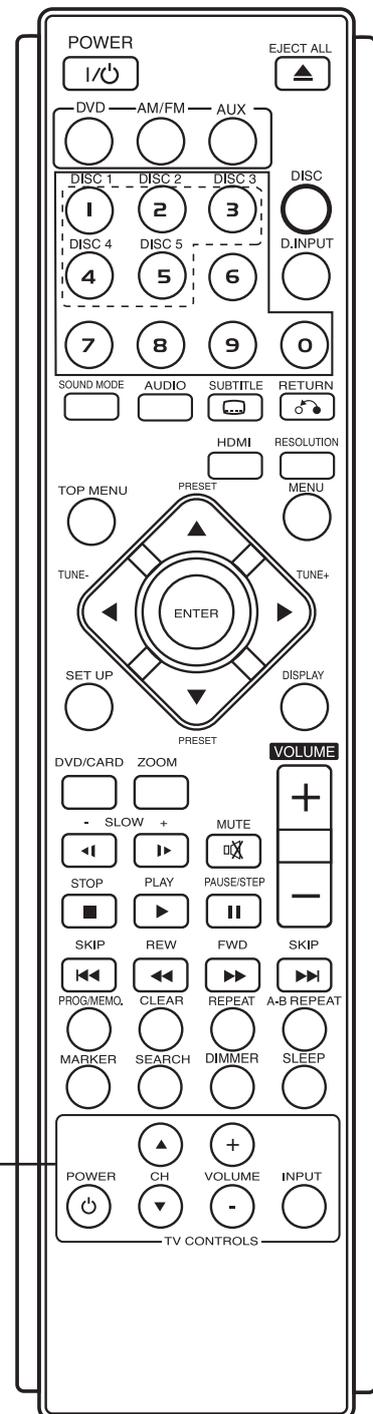
Important

Some TVs may not respond to all the operations above, or may not be operated at all with this remote control. In this case, operate your TV with its own remote control.

Notes

- For some brands, several control codes (brand codes) are allocated. Try each of them until the buttons work on your TV.
- If you replace the remote control's batteries, set the brand code again.

TV Control Buttons



Controlling Your TV with the Supplied Remote (Continued)

TABLE OF TV BRAND CODES

Brand name of your TV	Brand Code
Toshiba	01
Bell & Howell	09
Carver	10
Celebrity	03
Citizen	12
Curtis Mathes	09, 12
Dumont	14
Electro band	03
Emerson	09, 11
Fisher	09
GE	02, 07, 11
Gibraiter	14
Goldstar	11
Hallmark	11
Hitachi	06
Infinity	10
JBL	10
JCB	03
JVC	05
LXI	01, 02, 09, 10, 11
Magnavox	10
Marantz	10
Megatron	06, 11
Memorex	04, 09, 11
MGA	04, 11
Midland	02, 07, 14
Mitsubishi	04, 11
Motorola	08
MTC	12
NAD	01, 11
Nikko	11
Optimus	09
Optonica	08
Panasonic	07, 10, 15
Penney	01, 02, 07, 11, 12
Philco	10
Philips	10
Pioneer	16
Princeclub	12
Prism	07
Proscan	02
Proton	11
Pulser	14
Quasar	07, 15
Radio Shack	13
RCA	02
Realistic	09, 11, 13

Brand name of your TV	Brand Code
Runco (NEC)	14
Samsung	11,12
Sanyo	09
Scotch	11
Scott	11
Sears	01, 02, 09, 10, 11
Sharp	08, 13
Sony	03
Soundesign	11
Supreme	03
Sylvania	10
Tandy	08
Technics	07, 15
Techwood	07
Teknika	04, 10, 12
TMK	11
Victor	05
Vidikron	10
Vidtech	11
Wards	10, 11, 13
Zenith	14

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
Abkhazian	6566	Fiji	7074	Lingala	7678	Singhalese	8373
Afar	6565	Finnish	7073	Lithuanian	7684	Slovak	8375
Afrikaans	6570	French	7082	Macedonian	7775	Slovenian	8376
Albanian	8381	Galician	7176	Malagasy	7771	Somali	8379
Ameharic	6577	Georgian	7565	Malay	7783	Spanish	6983
Arabic	6582	German	6869	Malayalam	7776	Sudanese	8385
Armenian	7289	Greek	6976	Maltese	7784	Swahili	8387
Assamese	6583	Greenlandic	7576	Maori	7773	Swedish	8386
Azerbaijani	6590	Guarani	7178	Marathi	7782	Tagalog	8476
Bashkir	6665	Gujarati	7185	Moldavian	7779	Tajik	8471
Basque	6985	Hausa	7265	Mongolian	7778	Tamil	8465
Bengali; Bangla	6678	Hebrew	7387	Nauru	7865	Tatar	8484
Bhutani	6890	Hindi	7273	Nepali	7869	Telugu	8469
Bihari	6672	Hungarian	7285	Norwegian	7879	Thai	8472
Breton	6682	Icelandic	7383	Oriya	7982	Tibetan	6679
Bulgarian	6671	Indonesian	7378	Panjabi	8065	Tigrinya	8473
Burmese	7789	Interlingua	7365	Pashto, Pushto	8083	Tonga	8479
Byelorussian	6669	Irish	7165	Persian	7065	Turkish	8482
Cambodian	7577	Italian	7384	Polish	8076	Turkmen	8475
Catalan	6765	Japanese	7465	Portuguese	8084	Twi	8487
Chinese	9072	Javanese	7487	Quechua	8185	Ukrainian	8575
Corsican	6779	Kannada	7578	Rhaeto-Romance	8277	Urdu	8582
Croatian	7282	Kashmiri	7583	Rumanian	8279	Uzbek	8590
Czech	6783	Kazakh	7575	Russian	8285	Vietnamese	8673
Danish	6865	Kirghiz	7589	Samoan	8377	Volapük	8679
Dutch	7876	Korean	7579	Sanskrit	8365	Welsh	6789
English	6978	Kurdish	7585	Scots Gaelic	7168	Wolof	8779
Esperanto	6979	Laothian	7679	Serbian	8382	Xhosa	8872
Estonian	6984	Latin	7665	Serbo-Croatian	8372	Yiddish	7473
Faroese	7079	Latvian, Lettish	7686	Shona	8378	Yoruba	8979
				Sindhi	8368	Zulu	9085

Country Codes

Choose a country code from this list.

Country	Code	Country	Code	Country	Code	Country	Code
Afghanistan	AF	Ethiopia	ET	Malaysia	MY	Saudi Arabia	SA
Argentina	AR	Fiji	FJ	Maldives	MV	Senegal	SN
Australia	AU	Finland	FI	Mexico	MX	Singapore	SG
Austria	AT	France	FR	Monaco	MC	Slovak Republic	SK
Belgium	BE	Germany	DE	Mongolia	MN	Slovenia	SI
Bhutan	BT	Great Britain	GB	Morocco	MA	South Africa	ZA
Bolivia	BO	Greece	GR	Nepal	NP	South Korea	KR
Brazil	BR	Greenland	GL	Netherlands	NL	Spain	ES
Cambodia	KH	Islands	HM	Netherlands Antilles	AN	Sri Lanka	LK
Canada	CA	Hong Kong	HK	New Zealand	NZ	Sweden	SE
Chile	CL	Hungary	HU	Nigeria	NG	Switzerland	CH
China	CN	India	IN	Norway	NO	Taiwan	TW
Colombia	CO	Indonesia	ID	Oman	OM	Thailand	TH
Congo	CG	Israel	IL	Pakistan	PK	Turkey	TR
Costa Rica	CR	Italy	IT	Panama	PA	Uganda	UG
Croatia	HR	Jamaica	JM	Paraguay	PY	Ukraine	UA
Czech Republic	CZ	Japan	JP	Philippines	PH	United States	US
Denmark	DK	Kenya	KE	Poland	PL	Uruguay	UY
Ecuador	EC	Kuwait	KW	Portugal	PT	Uzbekistan	UZ
Egypt	EG	Libya	LY	Romania	RO	Vietnam	VN
El Salvador	SV	Luxembourg	LU	Russian Federation	RU	Zimbabwe	ZW

Troubleshooting

Check the following guide for the possible cause of a problem before contacting service.

Symptom	Cause	Correction
No power.	<ul style="list-style-type: none"> The power cord is disconnected. 	<ul style="list-style-type: none"> Plug the power cord securely into the wall outlet.
The power is on, but the DVD Home Theater System does not work.	<ul style="list-style-type: none"> No disc is inserted. 	<ul style="list-style-type: none"> Insert a disc. (Check that the DVD or, audio CD indicator in the DVD display is lit.)
No picture. The resolution (720p, 1080i) does not work with the analog video connections (VIDEO OUT & S-VIDEO) (See page 12).	<ul style="list-style-type: none"> The TV is not set to receive DVD signal output. The video cable is not connected securely. The connected TV power is turned off. 	<ul style="list-style-type: none"> Select the appropriate video input mode on the TV so the picture from the DVD Home Theater System appears on the TV screen. Connect the video cable into the jacks securely. Turn on the TV.
There is no sound or only a very low-level sound is heard.	<ul style="list-style-type: none"> The audio cables are not connected securely. The audio connecting cable is damaged. The speaker cables are not connected securely. 	<ul style="list-style-type: none"> Connect the audio cable into the jacks securely. Replace it with new one. Be sure to match the speaker cable to the appropriate terminal.
The playback picture is poor.	<ul style="list-style-type: none"> The disc is dirty. 	<ul style="list-style-type: none"> Clean the disc.
The DVD Home Theater System does not start playback.	<ul style="list-style-type: none"> No disc is inserted. An unplayable disc is inserted. The disc is placed upside down. The disc is not placed within the guide. The disc is dirty. A menu is on the TV screen. The Rating level is set. 	<ul style="list-style-type: none"> Insert a disc. (Check that the DVD, or audio CD indicator in the DVD display is lit.) Insert a playable disc. (Check the disc type, colour system and Regional code.) Place the disc with the playback side down. Place the disc on the disc tray correctly inside the guide. Clean the disc. Press the SETUP button to turn off the menu screen. Cancel the Rating function or change the rating level.
Loud hum or noise is heard.	<ul style="list-style-type: none"> The disc is dirty. The speakers and components are connected poorly. The DVD Home Theater System is located too close to the TV. 	<ul style="list-style-type: none"> Clean the disc. Connect the speakers and components securely. Move your TV away from the audio components.

Symptom	Cause	Correction
Radio stations cannot be tuned in.	<ul style="list-style-type: none"> The antenna is positioned or connected poorly. 	<ul style="list-style-type: none"> Connect the antenna securely. Adjust the antennas and connect an external antenna if necessary.
	<ul style="list-style-type: none"> The signal strength of the stations is too weak (when tuning in with automatic tuning). 	<ul style="list-style-type: none"> Tune in the station manually.
	<ul style="list-style-type: none"> No stations have been preset or preset stations have been cleared (when tuning by scanning preset stations). 	<ul style="list-style-type: none"> Preset the stations (page 37).
The remote control does not work properly.	<ul style="list-style-type: none"> The remote control is not pointed at the remote sensor of the DVD Home Theater System. 	<ul style="list-style-type: none"> Point the remote control at the remote sensor of the DVD Home Theater System.
	<ul style="list-style-type: none"> The remote control is too far from the DVD Home Theater System. 	<ul style="list-style-type: none"> Use the remote control within about 20 ft (6 m).
	<ul style="list-style-type: none"> There is an obstacle in the path of the remote control and the DVD Home Theater System. 	<ul style="list-style-type: none"> Remove the obstacle.
	<ul style="list-style-type: none"> The batteries in the remote control are flat. 	<ul style="list-style-type: none"> Replace the batteries with new ones.
The front panel display is too dim.	<ul style="list-style-type: none"> Nothing is displayed on the front panel display. 	<ul style="list-style-type: none"> Press DIMMER on the remote control.

Specifications

General	Power supply	Refer to main label			
	Power consumption	Refer to main label			
	Mass	5.5 kg			
	External dimensions (W x H x D)	430 x 85 x 350 mm			
	Operating conditions	Temperature: 5°C to 35°C, Operation status: Horizontal			
	Operating humidity	5% to 85%			
CD/DVD	Laser	Semiconductor laser, wavelength 650 nm			
	Signal system	NTSC 525/60			
	Frequency response (audio)	150 Hz to 18 kHz			
	Signal-to-noise ratio (audio)	More than 75 dB (1 kHz, NOP -6 dB, 20 kHz LPF/A-Filter)			
	Dynamic range (audio)	More than 70 dB			
	Harmonic distortion (audio)	0.5 % (1 kHz, at 1W position) (20 kHz LPF)			
Video	Video input	1.0 V (p-p), 75 Ω, negative sync., RCA jack x 2			
	Video output	1.0 V (p-p), 75 Ω, negative sync., RCA jack x 1			
	S-video output	(Y) 1.0 V (p-p), 75 Ω, negative sync., Mini DIN 4-pin x 1 (C) 0.3 V (p-p), 75 Ω			
	COMPONENT VIDEO OUT	(Y) 1.0 V (p-p), 75 ohms, negative sync, RCA jack x 1 (Pb)/(Pr) 0.7 V (p-p), 75 ohms, RCA jack x 2			
Tuner	FM	Tuning Range	87.5 - 108.0 MHz		
		Intermediate Frequency	10.7 MHz		
		Signal-to Noise Ratio	60 dB (Mono)		
		Frequency Response	150 - 8,000 Hz		
	AM [MW]	Tuning Range	520 - 1,720 kHz		
		Intermediate Frequency	450 kHz		
Amplifier	Stereo mode	90W + 90W (6Ω at 1 kHz, THD 10 %)			
	Surround mode (* Depending on the sound mode settings and the source, there may be no sound output.)	Front: 90W + 90W (THD 10 %) Center*: 90W Surround*: 90W + 90W (6Ω at 1 kHz, THD 10 %) Subwoofer*: 150W (4Ω at 30 Hz, THD 10 %)			
	Inputs	VIDEO 1, VIDEO 2, COAXIAL AUDIO, OPTICAL AUDIO			
	Outputs	S-VIDEO, MONITOR, PHONES: (32 Ω, 1.0 V)			
Speakers		Front Speaker (C67HTF)	Rear Speaker (C67HTS)	Centre Speaker (C67HTC)	Woofer Speaker (C67HTW)
	Type	2 Way 2 Speaker	2 Way 2 Speaker	1 Way 4 Speaker	1 Way 1 Speaker
	Impedance	6 Ω	6 Ω	6 Ω	4 Ω
	Frequency Response	90 - 18,000 Hz	110 - 18,000 Hz	110 - 18,000 Hz	40 - 1,500 Hz
	Sound Pressure Level	82 dB/W (1m)	83 dB/W (1m)	83 dB/W (1m)	82 dB/W (1m)
	Rated Input Power	90 W	90 W	90 W	150 W
	Max. Input Power	180 W	180 W	180 W	300 W
	Net Dimensions (W x H x D)	150 x 535.2 x 110 mm	120 x 179 x 110 mm	318 x 80 x 106 mm	200 x 400x 301 mm
Net Weight	1.55 kg	0.9 kg	0.9 kg	7.0 kg	
Supplied Accessories	<ul style="list-style-type: none"> • Audio cable1 • Speakers6 • AM loop antenna1 • Remote control1 • HDMI cable1 		<ul style="list-style-type: none"> • Video cable1 • Speaker cables6 • FM antenna1 • Batteries (AAA)2 		

* This model complies with the above specifications.

* Design and specifications are subject to change without notice.

* This model may not be compatible with features and/or specifications that may be added in the future.

Limited United States Warranty Digital Audio Video ("DAV") Product - Exchange Warranty

Toshiba America Consumer Products, L.L.C. ("TACP") makes the following limited warranties to original consumers in the United States. THESE LIMITED WARRANTIES EXTEND TO THE ORIGINAL CONSUMER PURCHASER OR ANY PERSON RECEIVING THIS DAV PRODUCT AS A GIFT FROM THE ORIGINAL CONSUMER PURCHASER AND TO NO OTHER PURCHASER OR TRANSFEREE.

DAV PRODUCTS PURCHASED IN THE U.S.A. AND USED ANYWHERE OUTSIDE OF THE U.S.A., INCLUDING, WITHOUT LIMITATION, CANADA AND MEXICO, ARE NOT COVERED BY THESE WARRANTIES.

DAV PRODUCTS PURCHASED ANYWHERE OUTSIDE OF THE U.S.A., INCLUDING, WITHOUT LIMITATION, CANADA AND MEXICO, AND USED IN THE U.S.A., ARE NOT COVERED BY THESE WARRANTIES.

Limited Warranty

TACP warrants this DAV Product and its parts against defects in materials or workmanship for a period of ninety (90) days after the date of original retail purchase. DURING THIS PERIOD, TACP WILL EXCHANGE A DEFECTIVE DAV PRODUCT WITH A NEW OR REFURBISHED DAV PRODUCT WITHOUT CHARGE TO YOU. DURING THE PERIOD THAT COMMENCES ON THE DATE THAT IS NINETY ONE (91) DAYS AFTER THE DATE OF ORIGINAL RETAIL PURCHASE AND ENDS ON THE DATE THAT IS THREE HUNDRED SIXTY FIVE (365) DAYS AFTER THE DATE OF ORIGINAL RETAIL PURCHASE, TACP WILL EXCHANGE A DEFECTIVE DAV PRODUCT WITH A NEW OR REFURBISHED DAV PRODUCT FOR A FEE.

*Rental Units

The warranty for DAV Product rental units begins on the date of the first rental or thirty (30) days after the date of shipment to the rental firm, whichever comes first.

*Commercial Units

DAV Products sold and used for commercial purposes have a limited warranty for all parts and labor, which warranty begins on the date of original retail purchase and ends on the date that is ninety (90) days thereafter.

Owner's Manual and Product Registration Card

Read this owner's manual thoroughly before operating this DAV Product.

Complete and mail the enclosed product registration card or register your DAV Product on-line at www.tacp.toshiba.com/service as soon as possible. By registering your DAV Product you will enable TACP to bring you new products specifically designed to meet your needs and help us to contact you in the unlikely event a safety notification is required under the U.S. Consumer Product Safety Act. Failure to complete and return the product registration card does not diminish your warranty rights.

Your Responsibility

THE ABOVE WARRANTIES ARE SUBJECT TO THE FOLLOWING CONDITIONS:

- (1) You must retain your bill of sale or provide other proof of purchase.
- (2) All warranty servicing of this DAV Product must be made pursuant to the TACP DAV Product Warranty Exchange Program.
- (3) The warranties from TACP are effective only if the DAV Product is purchased and operated in the Continental U.S.A. or Puerto Rico.
- (4) Labor service charges for set installation, setup, adjustment of customer controls, and installation or repair of antenna systems are not covered by this warranty. Reception problems caused by inadequate antenna systems are your responsibility.
- (5) Warranties extend only to defects in materials or workmanship as limited above, and do not extend to any DAV Product or parts that have been lost or discarded by you or to damage to the DAV Product or parts caused by fires, misuse, accident, Acts of God (such as lightning or fluctuations in electric power), improper installation, improper maintenance, or use in violation of instructions furnished by TACP; use or malfunction through simultaneous use of this DAV Product and connected equipment; or to units that have been modified or had the serial number removed, altered, defaced, or rendered illegible.

How to Obtain Warranty Services

If, after following all of the operating instructions in this manual and checking the section "Troubleshooting", you find that service is needed:

- (1) For instructions on how to obtain warranty service for your DAV Product under the TACP DAV Product Warranty Exchange Program, contact TACP's Consumer Solutions Center toll free at 1-800-631-3811.
- (2) You must include the original bill of sale (or a copy of the original bill of sale) or other proof of purchase along with the entire DAV Product when sending the DAV Product to the TACP Warranty Exchange Center specified by TACP's Consumer Solutions Center. You are responsible for all inbound transportation and insurance charges for the DAV Product to the TACP Warranty Exchange Center.

For additional information, visit TACP's website:
www.tacp.toshiba.com

THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS AND YOU MAY ALSO HAVE OTHER RIGHTS WHICH MAY VARY FROM STATE TO STATE IN THE U.S.A. SOME STATES OF THE U.S.A. DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, WHEN AN ACTION MAY BE BROUGHT, OR THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE PROVISIONS MAY NOT APPLY TO YOU UNDER SUCH CIRCUMSTANCES.

ALL WARRANTIES IMPLIED BY THE LAW OF ANY STATE OF THE U.S.A., INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE EXPRESSLY LIMITED TO THE DURATION OF THE LIMITED WARRANTIES SET FORTH ABOVE. WITH THE EXCEPTION OF ANY WARRANTIES IMPLIED BY THE LAW OF ANY STATE OF THE U.S.A. AS HEREBY LIMITED, THE FOREGOING WARRANTY IS EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES, GUARANTEES, AGREEMENTS, AND SIMILAR OBLIGATIONS OF TACP WITH RESPECT TO THE REPAIR OR REPLACEMENT OF ANY PARTS.

IN NO EVENT SHALL TACP BE LIABLE FOR CONSEQUENTIAL OR INCIDENTAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, LOST PROFITS, BUSINESS INTERRUPTION, OR MODIFICATION OR ERASURE OF RECORDED DATA CAUSED BY USE, MISUSE OR INABILITY TO USE THIS DAV PRODUCT).

No person, agent, distributor, dealer, or company is authorized to change, modify, or extend the terms of these warranties in any manner whatsoever. The time within which an action must be commenced to enforce any obligation of TACP arising under the warranty or under any statute or law of the United States or any state thereof is hereby limited to ninety (90) days from the date you discover, or should have discovered, the defect. This limitation does not apply to implied warranties arising under state law.

TOSHIBA

ColorStream and ColorStream Pro
are registered trademarks of Toshiba
America Consumer Products, L.L.C.

SmartMedia is a trademark of Toshiba Corp.
Toshiba is an authorized license of the Compact Flash® registered
trademark.

SD is a trademark of SD Card Association.

MMC and MultiMedia Card are trademarks of Infineon Technologies AG and
licensed to MMCA (MultiMediaCard Association).

Memory Stick is a trademark of Sony Corporation.