# SAMSUNG

# DVD Player
## DVD-P475

DVD VIDEO

COMPACT
disc
DIGITAL AUDIO

# *PRECAUTIONS*

## 1. Setting up

- Refer to the identification label located on the rear of your player for its proper operating voltage.
- Install your player in a cabinet with adequate ventilation holes. (7~10cm) Do not block ventilation holes on any of the components for air circulation.
- Do not push the disc tray in by hand.
- Do not stack components.
- Be sure to turn all components off before moving the player.
- Before connecting other components to this player, be sure to turn them off.
- Be sure to remove the disc and turn off the player after use, especially if you don't use it for a long time.
- The mains plug is used as a disconnect device and shall readily operable at any time.

## 2. For your safety

- This product utilizes a laser. Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.
- Do not open covers and do not repair yourself. Refer servicing to qualified personal.

## 3. Caution

- Your player is not intended for industrial use but for domestic purposes. Use of this product is for personal use only.
- Apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on the apparatus.
- Exterior influences such as lightning and static electricity can affect normal operation of this player. If this occurs, turn the player off and on again with the POWER button, or disconnect and then reconnect the AC power cord to the AC power outlet. The player will operate normally.

- When condensation forms inside the player due to sharp changes in temperature, the player may not operate correctly. If this occurs, leave the player at room temperature until the inside of the player becomes dry and operational.

## 4. Disc

- Do not clean record-cleaning sprays, benzene, thinner, or other volatile solvents that may cause damage to the disc surface.
- Do not touch the disc's signal surface. Hold by the edges or by one edge and the hole in the center.
- Wipe the dirt away gently; never wipe a cloth back and forth over the disc.

## 5. Environmental info

- The battery used in this product contains chemicals that are harmful to the environ ment.
- So, dispose of batteries in the proper man ner, according to federal, state, and local regulations.

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CAUTION: USE OF ANY CONTROLS, ADJUSTMENTS, OR PROCEDURES OTHER THAN  SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.
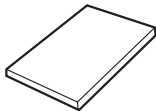
# *BEFORE YOU START*

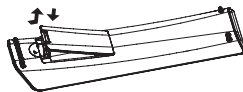Remote Control

Batteries for Remote Control (AAA Size)

User's Manual

Video/Audio Cable

## Install Batteries in the Remote control

1. Open the battery cover on the back of the remote control.
2. Insert two AAA batteries.
   Make sure that the
   polarities (+ and -) are aligned correctly.
3. Replace the battery cover.

## If remote control doesn't operate properly:

- Check the polarity + - of the batteries (Dry-Cell)
- Check if the batteries are drained.
- Check if remote control sensor is blocked by
  obstacles.
- Check if there is any fluorescent lighting nearby.

# *TABLE OF CONTENT*

**English**

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# SETUP

## General Features

### Excellent Sound
Dolby Digital, a technology developed by Dolby Laboratories, provides crystal clear sound reproduction.

### Screen
Both regular and widescreen(16:9) pictures can be viewed.

### Slow Motion
An important scene can be viewed in slow motion.

### Parental Control (DVD)
The parental control allows users to set the level necessary to prohibit children from viewing harmful movies such as those with violence, adult subject matter, etc.

### Various On-Screen Menu Functions
You can select various languages (Audio/Subtitle) and screen angles while enjoying movies.

### Progressive Scan
Progressive scanning creates an improved picture with double the scan lines of a conventional interlaced picture.

### EZ VIEW (DVD)
Easy View enables picture adjustment to match your TV's screen size (16:9 or 4:3).

### Digital Photo Viewer (JPEG)
You can view Digital Photos on your TV.

### Repeat
You can repeat a song or movie simply by pressing the REPEAT button.

### MP3/WMA
This unit can play discs created from MP3/WMA files.

### Instant Replay (DVD)
This function is used to replay the previous 10 seconds of a movie from the current position.

### Instant Skip (DVD)
This function skips playback ahead 10 seconds.

### MPEG4
This unit can play MPEG4 formats within an avi file.

Note
- Discs which cannot be played with this player.

- DVD-ROM          • DVD-RAM
- CD-ROM           • CDV
- CDI              • CVD
- CDGs play audio only, not graphics.

- Ability to play back may depend on recording conditions.

- DVD-R, +R
- CD-RW
- DVD+RW, -RW (V mode)
- The unit may not play certain CD-R, CD-RW and DVD-R due to the disc type or recording conditions.

### COPY PROTECTION

Many DVD discs are encoded with copy protection. Because of this, you should only connect your DVD player directly to your TV, not to a VCR. Connecting to a VCR results in a distorted picture from copy-protected DVD discs.

This product incorporates copyright protection technology that is protected by methods claims of certain U.S. patents and other intellectual property rights owned by Macrovision Corporation and other rights owners. Use of this copyright protection technology must be auzthorized by Macrovision Corporation, and is intended for home and other limited viewing uses only unless otherwise authorized by Macrovision Corporation. Reverse engineering or disassembly is prohibited.

### PROGRESSIVE SCAN OUTPUTS (525p)

"CONSUMERS SHOULD NOTE THAT NOT ALL HIGH DEFINITION TELEVISION SETS ARE FULLY COMPATIBLE WITH THIS PRODUCT AND MAY CAUSE ARTIFACTS TO BE DISPLAYED IN THE PICTURE. IN CASE OF 525  PROGRESSIVE SCAN PICTURE PROBLEMS, IT IS RECOMMENDED THAT THE USER SWITCH THE CONNECTION TO THE 'STANDARD DEFINITION' OUTPUT. IF THERE ARE QUESTIONS REGARDING YOUR TV SET COMPATIBILITY WITH THIS MODEL 525p DVD PLAYER, PLEASE CONTACT SAMSUNG'S CUSTOMER SERVICE CENTER."

# Disc Type and Characteristics

This DVD player is capable of playing the following types of discs with the corresponding logos:

| Disc Types (Logos) | Recording Types | Disc Size | Max. Playing Time | Characteristics |
|---|---|---|---|---|
| **DVD** | Audio + Video | 12 Cm | Single-sided 240 min. Double-sided 480 min. | - DVD contains excellent sound and video due to Dolby Digital and MPEG-2 system. |
| | | 8 Cm | Single-sided 80 min. Double-sided 160 min. | - Various screen and audio functions can be easily selected through the on-screen menu. |
| **VIDEO-CD** | Audio + Video | 12 Cm | 74 min. | - Video with CD sound, VHS quality & MPEG-1 compression technology. |
| | | 8 Cm | 20 min. | |
| **AUDIO-CD** | Audio | 12 Cm | 74 min. | - CD is recorded as a Digital Signal with better audio quality, less distortion and less deterioration of audio quality over time. |
| | | 8 Cm | 20 min. | |

## Disc Markings

| | |
|---|---|
| ⊕~⊕ | Play Region Number |
| PAL | PAL broadcast system in U.K, France, Germany, etc. |
| DOLBY DIGITAL | Dolby Digital disc |
| STEREO | Stereo disc |
| DIGITAL SOUND | Digital Audio disc |
| dts Digital Out | DTS disc |
| MP3 | MP3 disc |

**You must only insert one DVD disc at a time. Inserting two or more discs will not allow to play them back and it may cause damage to the DVD player.**

## Region Number

Both the DVD player and the discs are coded by region. These regional codes must match in order for the disc to play. If the codes do not match, the disc will not play.

The Region Number for this player is described on the rear panel of the player.

## DivX Certification

DivX, DivX Certified, and associated logos are trademarks of DivXNetworks, Inc and are used under license.

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# Description

## Front Panel Controls
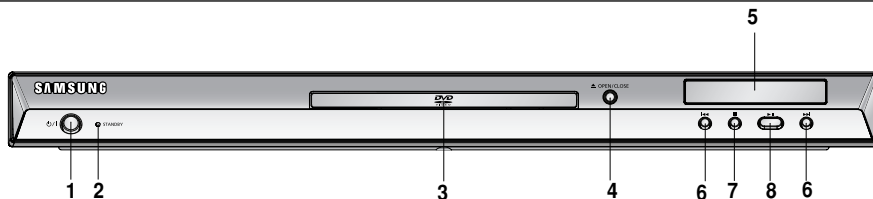


1.  **STANDBY/ON ( ⏻/I )**
    When STANDBY/ON is pressed on, the indicator goes
    out and the player is turned on.
2.  **STANDBY indicator**
    When the unit is first plugged in, this indicator lights.
3.  **DISC TRAY**
    Place the disc here.
4.  **OPEN/CLOSE ( ⏏ )**
    Press to open and close the disc tray.
5.  **DISPLAY**
    Operation indicators are displayed here.

6.  **SKIP ( ◄◄ / ►► ) SEARCH**
    Allow you to search forward/backward through a disc. Use to skip the title, chapter or track.
7.  **STOP ( ■ )**
    Stops disc play.
8.  **PLAY/PAUSE ( ►ΙΙ )**
    Begin or pause disc play.

## Front Panel Display



**Total playing time/Displays various messages concerning operations such as PLAY, STOP, LOAD ...**

nodSC: No disc loaded.
OPEn: The disc tray is open.
LOAd: Player is loading disc information.

# Rear Panel

## 1. 5.1CH ANALOG AUDIO OUT JACKS
- Connect to an amplifier with 5.1ch analog input jacks.

## 2. DIGITAL AUDIO OUT JACKS
- Use either an optical or coaxial digital cable to connect to a compatible Dolby Digital receiver.
- Use either an optical or coaxial digital cable to connect to an A/V Amplifier that contains a Dolby Digital, MPEG2 or DTS decoder.

## 3. AUDIO OUT JACKS
Connect to the Audio input jacks of your television or audio/video receiver.

## 4. VIDEO OUT JACK
- Use a video cable to connect to the Video input jack on your television.
- The Video Output in Setup Menu must be set to Component(I-SCAN) or COMPOSITE/S-VIDEO.
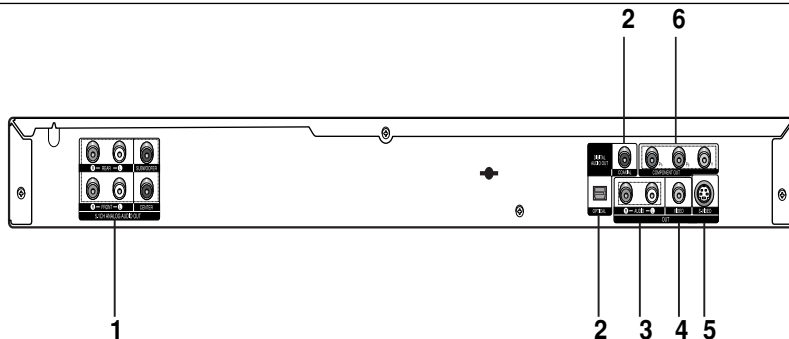
## 5. S-VIDEO OUT JACK
- Use the S-Video cable to connect this jack to the
  S-Video jack on your television for higher picture quality.
- The Video Output in Setup Menu must be set to COMPOSITE/S-VIDEO.

## 6. COMPONENT VIDEO OUT JACKS
- Use these jacks if you have a TV with Component Video in jacks. These jacks provide $P_R$, $P_B$ and Y video.
- If Component(P-SCAN) Video Output is selected in Setup Menu, progressive scan mode will work.
- If Component(I-SCAN) Video Output is selected in Setup Menu, interlaced scan mode will work.

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**Note**
- Consult your TV User's Manual to find out if your TV supports Progressive Scan.
  If Progressive Scan is supported, follow the TV User's Manual regarding Progressive Scan settings in the TV's menu system.
- If Component (P-SCAN) Video Output is selected in Setup Menu, S-Video will not   work.
- See pages 28 ~ 29 to get more information on how to use the setup menu.

# Tour of the Remote Control



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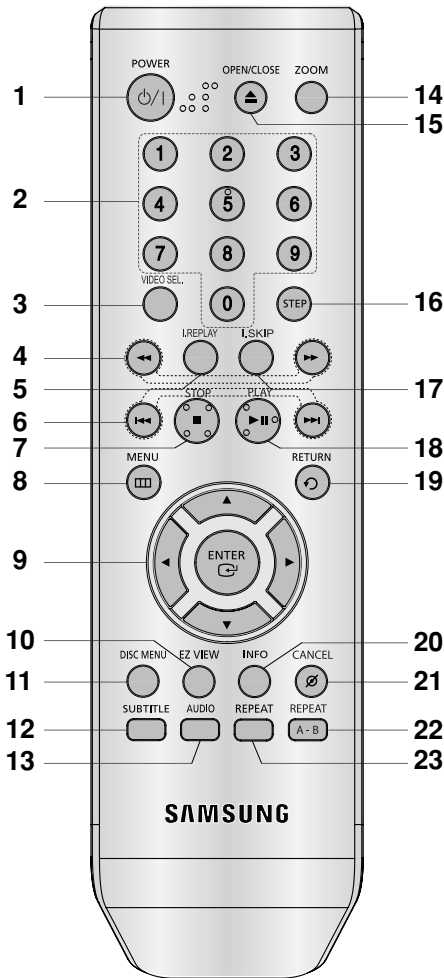
**1.    DVD POWER Button**
    Turns the power on or off.

**2.    NUMBER Buttons**

**3.    VIDEO SEL. Button**
    Selects video output formats

**4.    SEARCH Buttos ( ◀◀ / ▶▶ )**
    Allow you to search forward/backward through a disc.

**5.    INSTANT REPLAY Button**
    This function is used to replay the previous 10 seconds
    of a movie from the current position.

**6.    SKIP Buttons ( ◀◀ / ▶▶ )**
    Use to skip the title, chapter or track.

**7.    STOP Button ( ■ )**

**8.    MENU Button**
    Brings up the DVD player's menu.

**9.    ENTER/ ▲ / ▼ , ◀ / ▶ Buttons**
    This button functions as a toggle switch.

**10.  EZ VIEW Button**
    The aspect ratio of a picture can easily be adjusted
    according
    to the screen size of your TV (16:9 or 4:3).

**11.  DISC MENU Button**
    Brings up the Disc menu.

**12.  SUBTITLE Button**

**13.  AUDIO Button**
    Use this button to access various audio functions on a

**14.  ZOOM Button**
    Enlarge DVD Picture

**15.  OPEN/CLOSE ( ⏏ ) Button**
    To open and close the disc tray.

**16.  STEP Button**
    Advances play one frame at a time.

**17.  INSTANT SKIP Button**
    This function skips playback ahead 10 seconds.

**18.  PLAY/PAUSE Button ( ▶❙❙ )**
    Begin/Pause disc play.

**19.  RETURN Button**
    Returns to a previous menu.

**20.  INFO Button**
    Displays the current disc mode.

**21.  CANCEL Button**
    Use to remove menus or status displays from the
    screen.

**22.  REPEAT A-B Button**
    Allows you to repeat play A-B disc.

**23.  REPEAT Button**
    Allows you to repeat play a title, chapter, track, or disc.

# *CONNECTIONS*

## Choosing a Connection

The following shows examples of connections commonly used to connect the DVD player with a TV and other components.

### Before Connecting the DVD Player
- Always turn off the DVD player, TV, and other components before you connect or disconnect any cables.
- Refer to the user's manual of the additional components you are connecting for more information on those particular components.

### Connection to a TV (For Video)

## 1

Using video/audio cables, connect the **VIDEO (yellow)/AUDIO (red and white) OUT** terminals on the rear of the DVD player to the **VIDEO (yellow)/AUDIO (red and white) IN** terminals of TV.

## 2

Turn on the DVD player and TV.

## 3

Press the **TV/VIDEO** button on the TV's remote control to select **Video**.
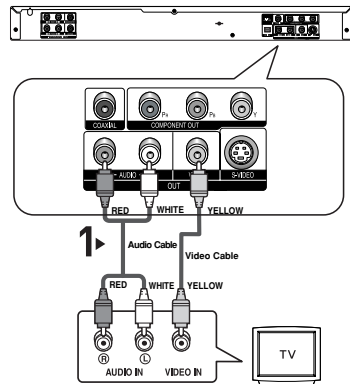


### Note

- **Noise may be generated if the audio cable is too close to the power cable.**

- If you want to connect to an Amplifier, please refer to the Amplifier connection page. (See pages 13 to 15)

- The number and position of terminals can vary depending on your TV set. Please refer to the user's manual of the TV.

- If there is one audio input terminal on the TV, connect it to the [AUDIO OUT][left] (white) terminal of the DVD player.

- If you press the VIDEO SEL. button when DVD Player is in stop mode or no disc is inserted, the Video Output mode changes in the following sequence: (COMPOSITE/S-VIDEO → Component (I-SCAN) → Component(P-SCAN))

## Connection to a TV (S-Video)

- Connecting to your TV using an S-Video cable.

- You will enjoy high quality images. S-Video separates the picture element into black and white(Y) and color(C) signals to present clearer images than regular video input mode. (Audio signals aredelivered through the audio output.)

## 1
Using an S-Video cable (not included), connect the **S-VIDEO OUT** terminal on the rear of the DVD player to the **S-VIDEO IN** terminal of TV.

## 2
Using the audio cables, connect the **AUDIO (red and white) OUT** terminals on the rear of the DVD player to the **AUDIO (red and white) IN** terminals of TV. Turn on the DVD player and TV.

## 3
Press the **TV/VIDEO** button on the TV's remote control to select **S-Video**.

## 4
Set the Video Output to **S-Video** in the Display Setup menu. (See pages 28 to 29)
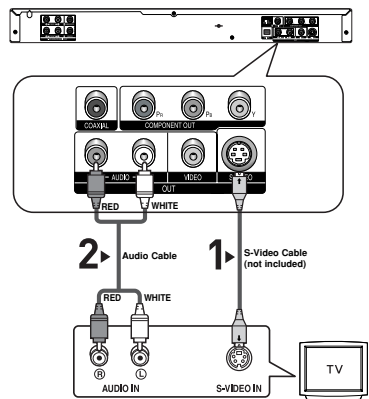
### Note

- If you want to connect to an Amplifier, please refer to the Amplifier connection page. (See pages 13 to 15)
- The number and position of terminals can vary depending on the TV set.
  Please refer to the user's manual of the TV.
- Please do not connected S-Video and Component Video (Y, Pb, Pr) output simultaneously, as they may interfere and degrade both video output quality.

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## Connection to a TV (Interlace)

- Connecting to your TV using Component video cables.

- You will enjoy high quality and accurate color reproduction images. Component video separates the picture element into black and white(Y), blue($P_B$), red($P_R$) signals to present clear and clean images. (Audio signals are delivered through the audio output.)

## 1
Using component video cables (not included), connect the **COMPONENT VIDEO OUT** terminal on the rear of the DVD player to the **COMPONENT IN** terminal of TV.

## 2
Using the audio cables, connect the **AUDIO (red and white) OUT** terminals on the rear of the DVD player to the **AUDIO (red and white) IN** terminals of TV. Turn on the DVD player and TV.

## 3
Press the **TV/VIDEO** button on the TV's remote control to select **Component** or **DVD**.

## 4
Set the Video Output to **Component (I-SCAN)** in the Display Setup menu. (See pages 28 to 29)
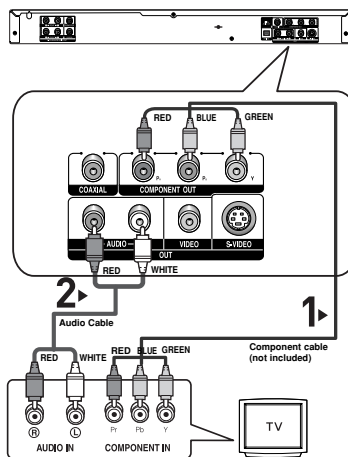


**Note**

- **If Video output is incorrectly set to S-VIDEO with the Component cables connected, the screen will turn red.**
- If you want to connect to an Amplifier, please refer to the Amplifier connection page. (See pages 13 to 15)
- The component terminal of TV can be marked by "R-Y, B-Y, Y" or "Cr, Cb, Y" instead of "$P_R$, $P_B$, Y" depending on the manufacturer. The number and position of terminals can vary depending on the TV set. Please refer to the user's manual of the TV.

## Connection to a TV (Progressive)

**1**

Using component video cables (not included), connect the **COMPONENT VIDEO OUT** terminal on the rear of the DVD player to the **COMPONENT IN** terminal of TV.

**2**

Using the audio cables, connect the **AUDIO (red and white) OUT** terminals on the rear of the DVD player to the **AUDIO (red and white) IN** terminals of TV. Turn on the DVD player and TV.

**3**

Press the input selector on your TV remote control until the Component signal from the DVD player appears on the TV screen.

**4**

Set the Video Output to **Component (P-SCAN)** in the Display Setup menu. (See pages 28 to 29)



### To see the progressive video output,

- Consult your TV User's Manual to find out if your TV supports Progressive Scan. If Progressive Scan is supported, follow the TV User's Manual regarding Progressive Scan settings in the TV's menu system.
- Depending on your TV, the connection method may differ from the illustration above.

**Note**

- What is "Progressive Scan"?
  Progressive scan has twice as many scanning lines as the interlace output method has. Progressive scanning method can provide better and clearer picture quality.

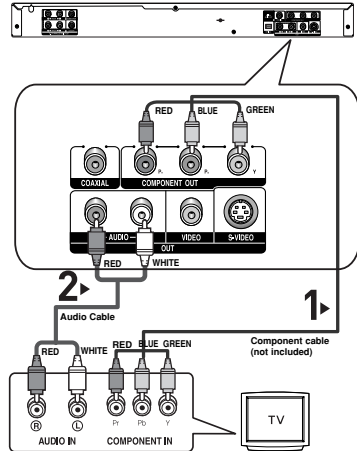## Connection to an Audio System (2 Channel Amplifier)

**1**

Using the audio cables, connect the **AUDIO (red and white) OUT** terminals on the rear of the DVD player to the **AUDIO (red and white) IN** terminals of the Amplifier.

**2**

Using the video signal cable(s), connect the **VIDEO, S-VIDEO** or **COMPONENT OUT** terminals on the rear of the DVD player to the **VIDEO, S-VIDEO** or **COMPONENT IN** terminal of your TV.

**3**

Turn on the DVD player, TV, and Amplifier.

**4**

Press the input select button of the Amplifier to select **external input** in order to hear sound from the DVD player.
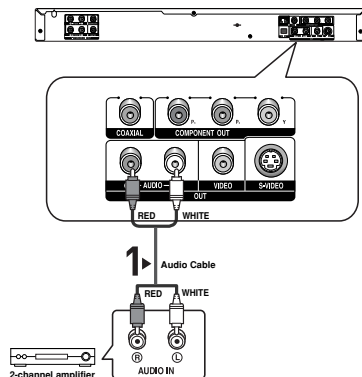
### Note

- **Please turn the volume down when you turn on the Amplifier. Sudden loud sound may cause damage to the speakers and your ears.**

- Please set the audio in the menu screen according to the Amplifier. (See pages 26 to 28)

- The position of terminals can vary depending on the Amplifier.
  Please refer to the user's manual of the Amplifier.

## Connection to an Audio System (Dolby digital, MPEG2 or DTS Amplifier)

# 1

If using an optical cable (not included), connect the **DIGITAL AUDIO OUT (OPTICAL)** terminal on the rear of the DVD player to the **DIGITAL AUDIO IN (OPTICAL)** terminal of the Amplifier.

If using a coaxial cable (not included), connect the **DIGITAL AUDIO OUT (COAXIAL)** terminal on the rear of the DVD player to the **DIGITAL AUDIO IN (COAXIAL)** terminal of the Amplifier.

# 2

Using the video signal cable(s), connect the **VIDEO**, **S-VIDEO** or **COMPONENT OUT** terminals on the rear of the DVD player to the **VIDEO**, **S-VIDEO** or **COMPONENT IN** terminal of TV.

# 3

Turn on the DVD player, TV, and Amplifier.

# 4

Press the input select button of the Amplifier to select **external input** in order to hear sound from the DVD player.
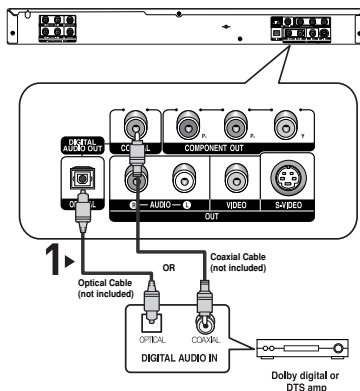


**Note**

- **Please turn the volume down when you turn on the Amplifier. Sudden loud sound may cause damage to the speakers and your ears.**
- Please set the audio in the menu screen according to the Amplifier. (See pages 26 to 28)
- The position of terminals can vary depending on the Amplifier.
  Please refer to the user's manual of the Amplifier.
- Please remove the dust cover before using the optical cable (not included) and put the cover on the cable again when it's not used.

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## Connection to a 5.1CH Analog Amplifier

# 1

If using audio cables for 5.1 CH Analog Amplifier (not included) connect the **5.1CH ANALOG AUDIO OUT** terminals on the rear of the DVD player to the **5.1CH ANALOG AUDIO IN** terminals of the 5.1CH Analog Amplifier.

# 2

Using the video signal cable(s), connect the **VIDEO, S-VIDEO** or **COMPONENT** terminals on the rear of the DVD player to the **VIDEO**, **S-VIDEO** or **COMPONENT** terminals of your TV as described on pages 9 to 12.

# 3

Turn on the DVD player, TV, and Amplifier.

# 4

Press the input select button of the Amplifier to select **external input** in order to hear sound from the DVD player.
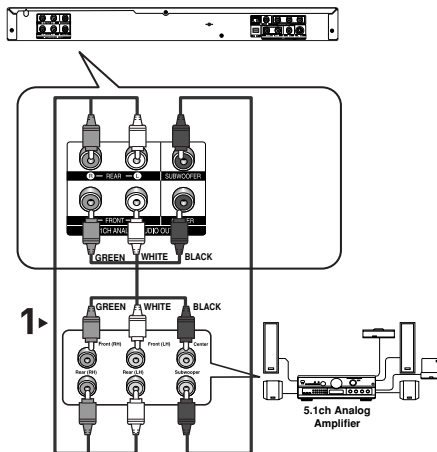
**Note**

- **Please turn the volume down when you turn on the Amplifier. Sudden loud sound may cause damage to the speakers and your ears.**

- Please set the audio in the menu screen according to the Amplifier. (See pages 26 to 28)

- The position of terminals may vary depending on the Amplifier.
  Please refer to the user's manual of the Amplifier.

# BASIC FUNCTIONS

## Playing a Disc

### Before Play

- Turn on your TV and set it to the correct Video Input by pressing TV/VIDEO button on the TV remote control.

- If you connected an external Audio System, turn on your Audio System and set it to the correct Audio Input.

After plugging in the player, the first time you press the DVD **POWER** button, this screen comes up: If you want to select a language, press a **NUMBER** button. (This screen will only appear when you plug in the player for the first time.)
If the language for the startup screen is not set, the settings may change whenever you turn the power on or off. Therefore, make sure that you select the language you want to use.
Once you select a menu language, you can change it by pressing the ▶▶| button on the front panel of the unit for more than 5 seconds with no disc in the unit. Then the **SELECT MENU LANGUAGE** window appears again where you can reset your preferred language.

| SELECT MENU LANGUAGE | | |
|---|---|---|
| Press | 1 | for English |
| Touche | 2 | pour Français |
| Drücken Sie | 3 | für Deutsch |
| Pulsar | 4 | para Español |
| Premere | 5 | per Italiano |
| Druk op | 6 | voor Nederlands |

### Playback

1. Press the **OPEN/CLOSE ( ⏏ )** button. The STANDBY indicator light goes out and the tray opens.

2. Place a disc gently into the tray with the disc's label facing up.
   - You must only insert one DVD disc at a time. Inserting two or more discs will not allow to play them back and it may cause damage to the DVD player.

3. Press the **PLAY/PAUSE ( ▶|| )** button or **OPEN/ CLOSE ( ⏏ )** button to close the disc tray.
   - When you stop disc play, the player remembers where you stopped, so when you press PLAY/PAUSE ( ▶|| ) button again, it will pick up where you left off. (unless the disc is removed or the player is unplugged, or if you press the STOP ( ■ ) button twice.)

4. **Stopping Play**
   Press the **STOP ( ■ )** button during play.

5. **Removing Disc**
   Press the **OPEN/CLOSE ( ⏏ )** button.

6. **Pausing Play**
   Press the **PLAY/PAUSE ( ▶|| )** or **STEP** button on the remote control during play.
   - Screen stops, no sound.
     To resume, press the PLAY/PAUSE ( ▶|| ) button once again.

7. **Step Motion Play (Except CD)**
   Press the **STEP** button on the remote control during play.
   - Each time the button is pressed, a new frame will appear.
   - No sound is heard during STEP mode.
   - Press the PLAY/PAUSE ( ▶|| ) button to resume normal play.
   - You can only perform step motion play in the forward direction.

8. **Slow Motion Play**
   Press and hold the **SEARCH ( ◀◀/▶▶ )** button to choose the play speed between 1/8, 1/4 and 1/2 of normal during PAUSE or STEP mode.
   - No sound is heard during slow mode.
   - Press the PLAY/PAUSE ( ▶|| ) button to resume normal play.
   - Reverse slow motion play will not work.

**Note**
- If the player is left in the stop mode for more than one minute without any user interaction, a screen saver will be activated. Press the PLAY/PAUSE ( ▶|| ) button to resume normal play.
- If the player is left in the stop mode for more than about 30 minutes, the power will automatically shut off. (Automatic Power-Off Function)
- If the player is left for about 5 minutes in pause mode, it will stop.
- This ( ⊘ ) icon indicates an invalid button press.

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# Using the Search and Skip Functions

During play, you can search quickly through a chapter or track, and use the skip function to jump to the next selection.

## Searching through a Chapter or Track

During play, press the **SEARCH** ( ◀◀ or ▶▶ ) button on the remote control for more than 1 second.

| DVD | 2X, 4X, 64X, 128X |
|-----|-------------------|
| VCD | 4X, 8X |
| CD | 2X, 4X, 8X |

**Note**
- The speed marked in this function may be different from the actual speed of playback.
- No sound is hearing during search mode (Except CD).

## Skipping Tracks

During play, press the **SKIP** ( ◀◀ or ▶▶ ) button.

- When playing a DVD, if you press the SKIP ( ▶▶ ) button, it moves to the next chapter. If you press the SKIP ( ◀◀ ) button, it moves to the beginning of the chapter. One more press makes it move to the beginning of the previous chapter.
- When playing a VCD 2.0 in Menu Off mode, or a VCD 1.1 or a CD, if you press the SKIP ( ▶▶ ) button, it moves to the next track. If you press the SKIP ( ◀◀ ) button, it moves to the beginning of the track. One more press makes it move to the beginning of the previous track.
- If a track exceeds 15 minutes when playing a VCD and you press the ▶▶ button, it moves forward 5minutes. If you press the ◀◀ button, it moves backward 5 minutes.

**Note**
Only Menu Off is available for VCD2.0. Each press of the DISC MENU button toggles between Menu On and Menu Off.

# Using the Display Function

## When Playing a DVD/VCD/MPEG4

1. During play, press the **INFO** button on the remote control.
   - You can select Info in the function menu by pressing the MENU button.

2. Press the ▲/▼ buttons to select the desired item.
   - Only Menu Off is available for VCD2.0. Each press of the DISC MENU button toggles between Menu On and Menu Off.

3. Press the ◀/▶ buttons to make the desired setup and then press the **ENTER** button.
   - You may use the number buttons of the remote control to directly access a title, chapter or to start the playback from the desired time.

4. To make the screen disappear, press the **INFO** button again.

**Note**

| Title | To access the desired title when there is more than one in the disc. For example, if there is more than one movie on a DVD, each movie will be identified. |
|-------|----------------------------------------------------------------------|
| Chapter / Track | Most DVD discs are recorded in chapters so that you can quickly find a specific passage (similar to tracks on an VCD). |
| Time | Allows playback of the film from a desired time. You must enter the starting time as a reference.The time search function does not operate on some disc. |
| Audio | Refers to the language of the film soundtrack. In the example, the soundtrack is played in English 5.1CH. A DVD disc can have up to eight different soundtracks. |
| Subtitle | Refers to the subtitle languages available in the disc. You will be able to choose the subtitle languages or, if you prefer, turn them off from the screen. A DVD disc can have up to 32 different subtitles. |
| Shortcut | To access the desired Bookmark or Angle function. Some DVD discs are have more angle function from any picture. Bookmark function make you easily and quickly to find a track or chapter from DVD or VCD ( Menu Off). |

# Using the Disc and Title Menu

## Using the Disc Menu

1. During Stop mode, press the **MENU** button on the remote control.

2. Press the ▲/▼ buttons to select **Disc Menu**, then press the ▶ or **ENTER** button.

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## Using the Title Menu

1. During stop mode, press the **MENU** button on the remote control.

2. Press the ▲/▼ buttons to select **Title Menu**, then press the ▶ or **ENTER** button.

# Repeat Play

Repeat the current track, chapter, title, a chosen section (A-B), or all of the disc.

### When playing a DVD/VCD

1. Press the **REPEAT** button on the remote control. Repeat screen appears.

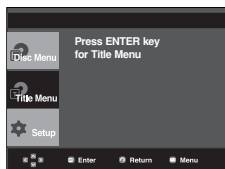2. Press the ◀/▶ buttons to select **Chapter**, **Title** or **A-B**, then press the **ENTER** button.
   - DVD repeats play by chapter or title, VCD repeat play by disc or track.
   - Chapter (◯): repeats the chapter that is playing.
   - Title (▣): repeats the title that is playing.
   - Disc (▣): repeats the disc that is playing.
   - Track (▣): repeats the track that is playing.
   - A-B: repeats a segment of the disc that you select.

DVD
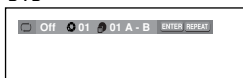


VCD
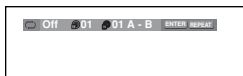


## Using the A-B Repeat function

1. Press the **REPEAT** button on the remote control.
2. Press the ◀/▶ buttons to Select **A-B** button.
3. Press the **ENTER** button at the point where you want repeat play to start (A). **B** is automatically highlight ted.
4. Press the **ENTER** button at the point where you want the repeat play to stop (B).
   - To return to normal play, press the **CANCEL** button.

5. To return to normal play, press **REPEAT** button again, then press the ◀/▶ buttons to select **Off** and press **ENTER** button.

DVD
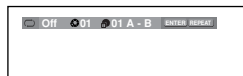


VCD
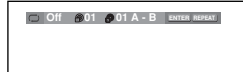
# Slow Play

This feature allows you slowly to repeat scenes containing sports, dancing, musical instruments being played etc., so you can study them more closely.

### When playing a DVD

1. During play, press the **PLAY/PAUSE (▶Ⅱ)** button.

2. Press and hold the **SEARCH (◀◀ / ▶▶)** button to choose the play speed between 1/8, 1/4 and 1/2 of normal during PAUSE or STEP mode.

# *ADVANCED FUNCTIONS*

## Adjusting the Aspect Ratio (EZ View)

### To play back using aspect ratio (DVD)

Press the **EZ VIEW** button.
- The screen size changes when the button is pressed repeatedly.
- The screen zoom mode operates differently depending on the screen setting in the Display Setup menu.
- To ensure correct operation of the **EZ VIEW** button, you should set the correct aspect ratio in the Display Setup menu. (See pages 29 to 30).

| 4:3 Letter Box | EZ VIEW |
| --- | --- |

### If you are using a 16:9 TV

#### For 16:9 aspect ratio discs
- **WIDE SCREEN**
  Displays the content of the DVD title in 16:9 aspect ratio.
- **SCREEN FIT**
  The top and bottom portions of the screen are cut off. When playing a 2.35:1 aspect ratio disc, the black bars at the top and bottom of the screen will disappear. The picture will look vertically stretched. (Depending on a type of disc, the black bars may not disappear completely.)
- **ZOOM FIT**
  The top, bottom, left and right of the screen are cut off and the central portion of the screen is enlarge

#### For 4:3 aspect ratio discs
- **Normal Wide**
  Displays the content of the DVD title in 16:9 aspect ratio. The picture will look horizontally stretched.
- **SCREEN FIT**
  The top and bottom portions of the screen are cut off and the full screen appears.
  The picture will look vertically stretched.
- **ZOOM FIT**
  The top, bottom, left and right portions of the screen are cut off and the central portion of the screen is enlarged.
- **Vertical Fit**
  When a 4:3 DVD is viewed on a 16:9 TV, black bars will appear at the left and right of the screen in order to prevent the picture from looking horizontally stretched.
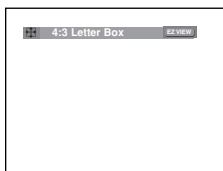
## If you are using a 4:3 TV

#### For 16:9 aspect ratio discs
- **4:3 Letter Box**
  Displays the content of the DVD title in 16:9 aspect ratio. The black bars will appear at the top and bottom of the screen.
- **4:3 Pan&Scan**
  The left and right portions of the screen are cut off and the central portion of the 16:9 screen is displayed.
- **SCREEN FIT**
  The top and bottom portions of the screen are cut off and a full screen appears. The picture will look vertically stretched.
- **ZOOM FIT**
  The top, bottom, left and right of the screen are cut off and the central portion of the screen is enlarged.

#### For 4:3 aspect ratio discs
- **Normal Screen**
  Displays the content of the DVD title in 4:3 aspect ratio.
- **SCREEN FIT**
  The top and bottom portions of the screen are cut off and the full screen appears. The picture will look vertically stretched.
- **ZOOM FIT**
  The top, bottom, left and right portions of the screen are cut off and the central portion of the screen is enlarged.

**Note**
This function may behave differently depending on the type of disc.

## Selecting the Audio Language

You can select a desired audio language quickly and easily with the AUDIO button.

### Using the AUDIO button

1. Press the **AUDIO** button. The Audio changes when the button is pressed repeatedly.
   The audio languages are represented by abbreviations.

DVD

| | ENG DOLBY DIGITAL 5.1CH | AUDIO |
| --- | --- | --- |

VCD

When playing a VCD, you can select among **Stereo**, **Left** or **Right.**

| | Stereo | AUDIO |
| --- | --- | --- |

Press Audio button at remocon repeatly to select the desired audio on MPEG4 then press the **ENTER**.

MPEG4

```
PCM 1/2   AUDIO
```

2. To remove the **AUDIO** icon, press the **CANCEL** or **RETURN** button.

# Selecting the Subtitle Language

You can select a desired subtitle quickly and easily with the SUBTITLE button.

## Using the SUBTITLE button (DVD)

1. Press the **SUBTITLE** button. The subtitle languages are represented by abbreviations. The subtitle changes when the button is pressed repeatedly.

DVD

```
Off   SUBTITLE
```
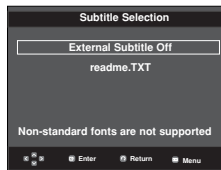
MPEG4

External Subtitle option will appear, depends on the DivX disc.

```
Subtitle Selection

External Subtitle Off
readme.TXT


Non-standard fonts are not supported

Enter    Return    Menu
```

Press **SUBTITLE** button at remocon repeatedly to select the disired subtitle language on MPEG4 then press the **ENTER**.

MPEG4

```
Off   SUBTITLE
```

2. To remove the **SUBTITLE** icon, press the **CANCEL** or **RETURN** button.

# Changing the Camera Angle

When a DVD contains multiple angles of a particular scene, you can use the ANGLE function.

## Using the ANGLE Function (DVD).

If the disc contains multiple angles, the ANGLE appears on the screen.

1. During play, press the **INFO** button on the remote control.
2. Press the ▲/▼ buttons to select **Shortcut**.
3. Press the ◄/► buttons to select **Angle**, then press **ENTER** button.

```
Shortcut  Angle        Enter
```
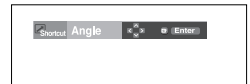
4. Press the ◄/► buttons or you can use the number buttons on the remote control to select the desired angle.

```
4/6
```

# Using the Instant Replay/Skip Function

## Using the Instant Replay function (DVD)

If you miss a scene, you can see it again using this function.

If you press the **INSTANT REPLAY** button, the current scene moves backward about 10 seconds, and plays back.

## Using the Instant Skip function (DVD)

Use this function to skip playback about 10 seconds ahead of the current scene.

Press the **INSTANT SKIP** button.
- Playback will skip ahead 10 seconds.

**Note**
Depending on the disc, these functions may not work.

# Using the Bookmark Function

This feature lets you bookmark sections of a DVD or VCD (Menu Off mode) so you can quickly find them at a later time.

### Using the Bookmark Function (DVD/VCD)

1. During play, press the **INFO** button on the remote control.
2. Press the ▲/▼ buttons to select **Shortcut**.

DVD

| Shortcut | Bookmark | ⟨⊹⟩ | ⊡ Enter |

VCD

| Shortcut | Bookmark | ⊹ | ⊡ Enter |
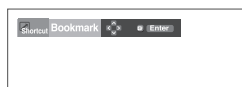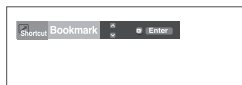
3. Press the ◄/► buttons to select **Bookmark**(except VCD), then press the **ENTER** button.

4. When you reach the scene you want to mark, press the **ENTER** button. Up to three scenes may be marked at a time.

| 🔖 | 1 - - | ⟨ ⟩ ► CANCEL |

**Note**
- Only Menu Off is available for VCD2.0. Each press of the DISC MENU button toggles between Menu On and Menu Off.
- Depending on a disc, the Bookmark function may not work.

## Recalling a Marked Scene

1~3. The first 1~3 steps are the same as those for "Using the Bookmark Function" on page 21.
4. Press the ◄/► buttons to select a marked scene.

| 🔖 | 1  2  3 | ⟨ ⟩ ► CANCEL |
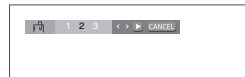
5. Press the **PLAY/PAUSE** ( ►ll ) button to skip to the marked scene.

## Clearing a Bookmark

1~3. The first 1~3 steps are the same as those for "Using the Bookmark Function" on page 21.

4. Press the ◄/► buttons to select the bookmark number you want to delete.

5. Press the **CANCEL** button to delete a bookmark number.

| 🔖 | 1  2  3 | ⟨ ⟩ ► CANCEL |

# Using the Zoom Function

### Using the Zoom Function (DVD/VCD)

1. During play or pause mode, press the **ZOOM** button on the remote control, press the **ENTER** button.
2. Press the ▲/▼/◄/► buttons to select **the part of the screen you want to zoom in on**.
   - During DVD play, press ENTER to zoom in 2X/4X/2X/Normal in order.
   - During VCD play, press ENTER to zoom in 2X/4X/2X/Normal in order.
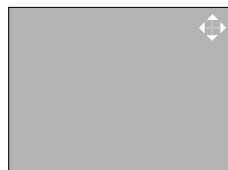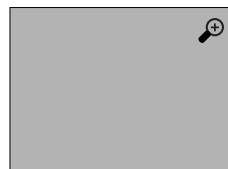
# Clips Menu for MP3/WMA/JPEG/CD Audio/MPEG4

Cd Audio or discs with MP3/WMA/JPEG/MPEG4 contain individual songs and/or pictures that can be organized into folders as shown below. They are similar to how you use your computer to put files into different folders.

Open the disc tray.
Place the disc on the tray.
Close the tray.
The tray closes and this
screen displays.



- 🎵 : Name of currently playing file.

- 🎵 : Current Playback Time.

- 🔄 : Current Playback Mode : There are four modes. They can be selected in order by pressing the **REPEAT** button.
  - Off: Normal Playback
  - Track: Repeats the current track.
  - Folder: Repeats the current folder.
  - Random: Files in the disc will be played in random order.

- 🎵 : MP3 file icon. - ▪️ : Folder icon.

- 🎵 : WMA file icon. - 🔻 : Current Folder icon.

- 🎵 : JPEG file icon.

- 🎵 : AVI file icon.

- 💿 : CD Audio file icon.

# Folder Selection

The folder can be selected in Stop or Play mode.

**- To select the Parent Folder**
Press the **RETURN** button to go to parent folder, or press the ▲/▼ buttons to select ".." and press **ENTER** to go to the parent folder.

**- To select the Peer Folder**
Press the ◄/► buttons to highlight left window. Press the ▲/▼ buttons to select the desired folder, then press **ENTER**.

**- To select the Sub-Folder**
Press the ◄/► buttons to highlight right window.
Press the ▲/▼ buttons to select the desired folder, then press **ENTER**.
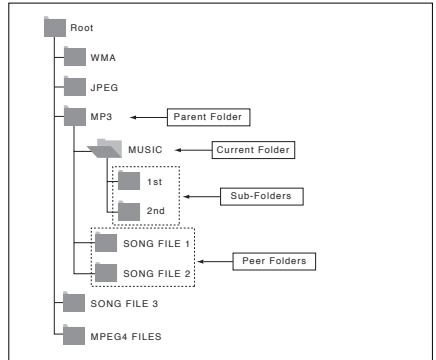


# MP3 /WMA /CD Audio Playback

1. Open the disc tray. Place the disc on the tray. Close the tray.
   - Only one kind of file is played back when a disc or a folder contains both MP3 and WMA files.
2. Press the ▲/▼ or ◄/► buttons to select a song file. Press **ENTER** to begin playback of the song file.



## Repeat/Random playback

Press the **REPEAT** button to change the playback mode. There are four modes, such as **Off**, **Track**, **Folder** and **Random**.
- Off: Normal Playback
- Track: Repeats the current song file.
- Folder: Repeats the song files which have the same extension in the current folder.
- Random: Song files which have the same extension will be played in random order.

To resume normal play, press the **CANCEL** button.

## CD-R MP3/WMA file

**When you record MP3 or WMA files on CD-R, please refer to the following.**

**- Your MP3 or WMA files should be ISO 9660 or JOLIET format.**

ISO 9660 format and Joliet MP3 or WMA files are compatible with Microsoft's DOS and Windows, and with Apple's Mac. This format is the most widely used.

**- When naming your MP3 or WMA files, do not exceed 8 characters, and enter ".mp3, .wma" as the file extension.**

General name format : Title.mp3. or Title.wma. When composing your title, make sure that you use 8 characters or less, have no spaces in the name, and avoid the use of special characters including: (.,/,\,=,+).

**- Use a decompression transfer rate of at least 128 Kbps when recording MP3 files.**

Sound quality with MP3 files basically depends on the rate of compression/decompression you choose. Getting CD audio sound requires an analog/digital sampling rate, that is conversion to MP3 format, of at least 128 Kbps and up to 160 Kbps. However, choosing higher rates, like 192 Kbps or more, only rarely give better sound quality. Conversely, files with decompression rates below 128 Kbps will not be played properly.

**- Use a decompression transfer rate of at least 64Kbps when recording WMA files.**

Sound quality with WMA files basically depends on the rate of compression/decompression you choose.

Getting CD audio sound requires an analog/digital sampling rate, that is conversion to WMA format, of at least 64Kbps and up to 192Kbps. Conversely, files with decompression rates below 64Kbps or over 192Kbps will not be played properly.

**- Do not try recording copyright protected MP3 files.**

Certain "secured" files are encrypted and code protected to prevent illegal copying. These files are of the following types: Windows Media™ (registered trade mark of Microsoft Inc) and SDMI™ (registered trade mark of The SDMI Foundation). You cannot copy such files.

**- Important:**

The above recommendations cannot be taken as a guarantee that the DVD player will play MP3 recordings, or as an assurance of sound quality. You should note that certain technologies and methods for MP3 file recording on CD-Rs prevent optimal playback of these files on your DVD player (degraded sound quality and in some cases, inability of the player to read the files).

- This unit can play a maximum of 500 files and 500 folders per disc.

# MPEG4 Playback

## MPEG4 Play Function

AVI files are used to contain the audio and video data. Only AVI format files with the ".avi" extensions can be played.

1. Open the disc tray. Place the disc on the tray. Close the tray.
2. Press the ▲/▼ or ◄/► buttons to select an avi file (DivX/XviD), then press the **ENTER** button.



## Repeat Playback

Press the **REPEAT** button to change playback mode. There are 3 modes, such as **Off**, **Folder** and **Title**.
- Folder : Repeats the AVI files which have the same exten-sion in the current folder.
- Title : repeats the title that is playing.

**MPEG4 Function Description**

| Function | Description | Reference page |
|---|---|---|
| Skip (I◄◄ or ►►I) | During play, press the I◄◄ or ►►I button, it moves forward or backward 5 minutes. | - |
| Search (◄◄ or ►►) | During play, press the SEARCH (◄◄ or ►►) button and press again to search at a faster speed. Allows you to search at a faster speed in an AVI file. (2X, 4X, 8X) | - |
| Slow Motion Play | Allows you to search at a slower speed in an AVI file. (1/8X, 1/4X, 1/2X) | P 16 |
| Step Motion Play | Each time the STEP button is pressed, a new frame will appear. | P 16 |
| ZOOM | 2X/4X/2X/Normal in order | P 22 |

- These functions may not work depending on MPEG4 file.

**CD-R AVI file**
This unit can play the following video compression formats within the AVI file format:
- DivX 3.11 contents
- DivX 4 contents (Based on MPEG4 Simple Profile)
- DivX 5 contents (MPEG4 simple profile plus additional fea-tures such as bi-directional frames. Qpel and GMC are also supported.)
- XviD MPEG4 compliant Contents.
This unit supports all resolutions up to maximum below.

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| DivX3.11 & DivX4 & XviD | DivX5 |
|---|---|
| Bitrate may fluctuate: Device may skip decoding the high bitrate portions and begin decoding again when Bitrate returns to normal. | 720 x 480 @30fps<br>720 x 576 @25fps<br>: Maximum bitrate : 4Mbps |

**Note**

- Some MPEG4 files created on a personal computer may not be play back.
  That is why Codec Type, Version and Higher resolution over specification is not supported.

- This unit supports CD-R/RW written in MPEG4 in accordance with the "ISO9660 format".

# Picture CD Playback

1. Select the desired folder.
2. Press the ▲/▼ buttons to select a Picture file in the clips menu and then press the **ENTER** button.
3. Press the **INFO** button on the remote control to select the menu you want to view and then press the **ENTER** button.
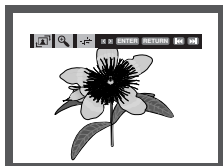


**Note**

- If no buttons on the remote control are pressed for 10 seconds, the menu will disappear.
- Press the STOP button to return to the clips menu.
- When playing a Kodak Picture CD, the unit displays the Photo directly, not the clips menu.

**Rotation**

: Each time the **ENTER** button is pressed, the picture rotates 90 degrees clockwise.

**Zoom**

: Press the ▲/▼ buttons to select the part of the screen you want to zoom in on.
Press the **ENTER** button. Each time the **ENTER** button is pressed, the picture is enlarged up to 2X.

**Slide Show**

• : The unit enters slide show mode.

• Before beginning the Slide Show, the picture interval must be set.

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- • : When this icon is selected and **ENTER** is pressed, the pictures change automatically with about a 6 second interval.
- • : The pictures change automatically with about a 12 second interval.

- • : The pictures change automatically with about a 18 second interval.
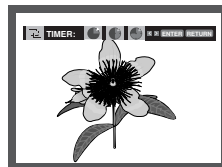


**Note**

- Depending on a file size, the amount of time between each picture may be different from the manual.
- If you don't press any button, the slide show will start automatically in about 10 seconds by default.

## CD-R JPEG Discs

- Only files with the ".jpg" and ".JPG" extensions can be played.
- If the disc is not closed, it will take longer to start playing and not all of the recorded files may be played.
- Only CD-R discs with JPEG files in ISO 9660 or Joliet format can be played.
- The name of the JPEG file may not be longer than 8 characters and should contain no blank spaces or special characters (. / = +).
- Only a consecutively written multi-session disc can be played. If there is a blank segment in the multi-session disc, the disc can be played only up to the blank segment.
- A maximum of 500 images can be stored on a single CD.
- Kodak Picture CDs are recommended.
- When playing a Kodak Picture CD, only the JPEG files in the pictures folder can be played.
- When playing a Kodak Picture CD, only the JPEG files in the pictures folder can be played.
- Kodak Picture CD: The JPEG files in the pictures folder can be played automatically.
- Konica Picture CD: If you want to see the Picture, select the JPEG files in the clips menu.
- Fuji Picture CD: If you want to see the Picture, select the JPEG files in the clips menu.
- QSS Picture CD: The unit may not play QSS Picture CD.
- If the number of files in 1 Disc is over 500, only 500 JPEG files can be played.
- If the number of folders in 1 Disc is over 500, only JPEG files in 500 folders can be played

# CHANGING SETUP MENU

## Using the Setup Menu

The Setup menu lets you customize your DVD player by allowing you to select various language preferences, set up a parental level, even adjust the player to the type of television screen you have.

1. With the unit in Stop mode, press the **MENU** button on the remote control. Use the ▲/▼ buttons to select Setup, then press the ► or **ENTER** button.

| | |
|---|---|
| Disc Menu | **Language Setup** ► |
| | **Audio Setup** ► |
| | **Display Setup** ► |
| Title Menu | **Parental Setup :** 🔒 ► |
| | **DivX(R) Registration** ► |
| Setup | |
| ▪ Enter ▪ Return ▪ Menu | |

❶ Language Setup: Setup of the Language.
❷ Audio Setup : Setup of the Audio Options.
❸ Display Setup : Setup of the Display Options. Use to select which type of screen you want to watch and several display options.
❹ Parental Setup : Setup of the Parental Level. Allows users to set the level necessary to prevent children from viewing unsuitable movies such as those with violence, adult subject matter, etc.
❺ DivX(R) Registration : Please use the Registration code to register this player with the DivX(R) Video On Demand format. To learn more go to www.divx.com/vod.

2. Press the ▲/▼ buttons to access the different features. Press the ► or **ENTER** button to access the sub features.

3. To make the setup screen disappear after setting up, press the **MENU** button again.

### Note
Depending on the disc, some Setup Menu selections may not work.

## Setting Up the Language Features

If you set the player menu, disc menu, audio and subtitle language in advance, they will come up automatically every time you watch a movie.

### Using the Player Menu Language
1. With the unit in Stop mode, press the **MENU** button.
2. Press the ▲/▼ buttons to select **Setup**, then press the ► or **ENTER** button.
3. Press the ▲/▼ buttons to select **Language Setup**, then press the ► or **ENTER** button.
4. Press the ▲/▼ buttons to select **Player Menu**, then press the ► or **ENTER** button.
5. Press the ▲/▼ buttons to select the desired language, then press the ► or **ENTER** button.
   - The language is selected and the screen returns to Language Setup menu.
   - To make the setup menu disappear, press the MENU button.

| | LANGUAGE SETUP |
|---|---|
| Disc Menu | **Player Menu** √ **English** |
| | **Disc Menu** **Français** |
| | **Audio** **Deutsch** |
| Title Menu | **Subtitle** **Español** |
| | **DivX Subtitle** **Italiano** |
| Setup | **Nederlands** |
| ▪ Enter ▪ Return ▪ Menu | |
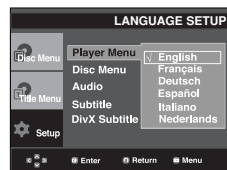
### Using the Disc Menu Language

This function changes the text language only on the disc menu screens.

1. With the unit in Stop mode, press the **MENU** button.
2. Press the ▲/▼ buttons to select **Setup**, then press the ► or **ENTER** button.
3. Press the ▲/▼ buttons to select **Language Setup**, then press the ► or **ENTER** button.
4. Press the ▲/▼ buttons to select **Disc Menu**, then press the ► or **ENTER** button.
5. Press the ▲/▼ buttons to select the desired language, then press the ► or **ENTER** button.
   - If the selected language is not recorded on the disc, the original pre-recorded language is selected.
   - The language is selected and the screen returns to Language Setup menu.
   - To make the setup menu disappear, press the MENU button.

| | LANGUAGE SETUP |
|---|---|
| Disc Menu | **Player Menu** √ **English** |
| | **Disc Menu** **Français** |
| | **Audio** **Deutsch** |
| Title Menu | **Subtitle** **Español** |
| | **DivX Subtitle** **Italiano** |
| Setup | **Nederlands** |
| ▪ Enter ▪ Return ▪ Menu | |

## Using the Audio Language

1. With the unit in Stop mode, press the **MENU** button.
2. Press the ▲/▼ buttons to select **Setup**, then press the ►
   or **ENTER** button.
3. Press the ▲/▼ buttons to select **Language Setup**, then
   press the ► or **ENTER** button.
4. Press the ▲/▼ buttons to select **Audio**, then press the ►
   or **ENTER** button.
5. Press the ▲/▼ buttons to select the desired language, then
   press the ► or **ENTER** button.
   - Select "Original" if you want the default soundtrack
     language to be the original language the disc is
     recorded in.
   - If the selected language is not recorded on the disc, the
     original pre-recorded language is selected.
   - The language is selected and the screen returns to
     Language Setup menu.
   - To make the setup menu disappear, press the MENU
     button.

```
                          LANGUAGE SETUP
  Disc Menu    Player Menu      Original
               Disc Menu      √ English
               Audio            Français
  Title Menu   Subtitle         Deutsch
               DivX Subtitle    Español
               Setup            Italiano

               ■ Enter    ■ Return    ■ Menu
```

## Using the Subtitle Language

1. With the unit in Stop mode, press the **MENU** button.
2. Press the ▲/▼ buttons to select **Setup**, then press the ►
   or **ENTER** button.
3. Press the ▲/▼ buttons to select **Language Setup**, then
   press the ► or **ENTER** button.
4. Press the ▲/▼ buttons to select **Subtitle**, then press the ►
   or **ENTER** button.
5. Press the ▲/▼ buttons to select the desired  language,
   then press the ► or **ENTER** button.
   - Select "Automatic" if you want the subtitle  language to
     be the same as the language selected as the audio
     language.
   - Some discs may not contain the language you select as
     your initial language; in that case the disc will use its
     original language setting.
   - The language is selected and the screen returns to
     setup menu.
   - To make the setup menu disappear, press the MENU
     button.

```
                          LANGUAGE SETUP
  Disc Menu    Player Menu    √ Automatic
               Disc Menu        English
               Audio            Français
  Title Menu   Subtitle         Deutsch
               DivX Subtitle    Español
               Setup            Italiano

               ■ Enter    ■ Return    ■ Menu
```

## Using the DivX Subtitle Language

1. With the unit in Stop mode, press the **MENU** button.
2. Press the ▲/▼ buttons to select **Setup**, then press the ►
   or **ENTER** button.
3. Press the ▲/▼ buttons to select **Language Setup**, then
   press the ► or **ENTER** button.
4. Press the ▲/▼ buttons to select **DivX Subtitle**, then press
   the ►  or **ENTER** button.
5. Press the ▲/▼ buttons to select the desired  language,
   then press the ► or **ENTER** button.
   - The language is selected and the screen returns to
     Language Setup menu.
   - To make the setup menu disappear, press the
     MENU button.

```
                          LANGUAGE SETUP
  Disc Menu    Player Menu    : English
               Disc Menu      : English
               Audio
  Title Menu   Subtitle       √ Unicode
               DivX Subtitle    Cyrillic
               Setup            Greek

               ■ Enter    ■ Return    ■ Menu
```

# Setting Up the Audio Options

Audio Options allows you to setup the audio device
and sound status settings depending on the audio
system in use.
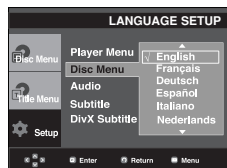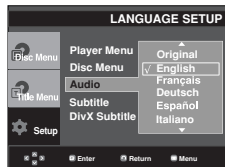
1. With the unit in Stop mode, press the **MENU** button.
2. Press the ▲/▼ buttons to select **Setup**, then press the ►
   or **ENTER** button.
3. Press the ▲/▼ buttons to select **Audio Setup**, then press
   the ► or **ENTER** button.
4. Press the ▲/▼ buttons to select the desired item, then
   press the ► or **ENTER** button.

```
  Disc Menu    Language Setup        ►
               Audio Setup           ►
               Display Setup         ►
  Title Menu   Parental Setup :  ▣   ►
               DivX(R) Registration  ►
               Setup

               ■ Enter    ■ Return    ■ Menu
```

```
                             AUDIO SETUP
  Disc Menu    Dolby Digital Out      :PCM
               MPEG-2 Digital Out     :PCM
               DTS                    :Off
  Title Menu   Dynamic Compression :On
               PCM Down Sampling   :On
               Speaker Setup          ►
               Setup

               ■ Enter    ■ Return    ■ Menu
```

❶ Dolby Digital Out
   - PCM : Converts to PCM(2CH) audio.
   - Bitstream : Outputs Dolby Digital via the digital output.
                  Select Bitstream when connecting to a
                  Dolby Digital Decoder.
❷ MPEG-2 Digital Out
   - PCM : Converts to PCM(2CH) audio.
   - Bitstream : Converts to MPEG-2 Digital Bitstream
   (5.1CH or 8CH). Select Bitstream when using the
   Digital Audio Output.
❸ DTS
   Select On when connecting to a DTS Decoder.
   - Off : Doesn't output digital signal.
   - On : Outputs DTS Bitstream via digital output.

**Note**
 • There is no analog audio output when you play
   a DTS sound disc.

❹ Dynamic Compression
   - On : To select dynamic compression.
   - Off : To select the standard range.
❺ PCM Down Sampling
   - On : Select this when the Amplifier connected to the
     player is not 96KHz compatible. In this case, the
     96KHz signals will be down converted to 48KHZ.
   - Off : Select this when the Amplifier connected to the
     player is 96KHz compatible. In this case, all signals
     will be output without any changes.

**Note**
Even when PCM Down sampling is Off
 • Some discs will only output down sampled
   audio through the digital outputs.
 • To make the Setup menu disappear, press the
   MENU button.

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

"DTS" and "DTS Digital Out" are trademarks of
Digital Theater Systems, Inc.

## Surround Sound Speaker Setup
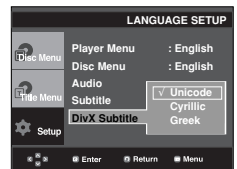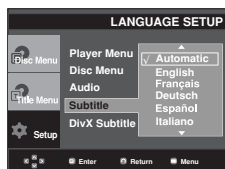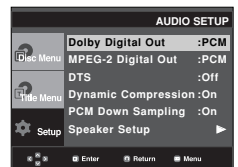
1. With the unit in Stop mode, press the **MENU** button.
2. Press the ▲/▼ buttons to select **Setup**, then press the ►
   or **ENTER** button.
3. Press the ▲/▼ buttons to select **Audio Setup**, then press
   the ► or **ENTER** button.
4. Press the ▲/▼ buttons to select **Speaker Setup**, then
   press the ► or **ENTER** button.
5. Press the ▲/▼/◄/► buttons to select the desired item,
   then press the **ENTER** button to set the speaker.

AUDIO SETUP

| | |
|---|---|
| Dolby Digital Out | :PCM |
| MPEG-2 Digital Out | :PCM |
| DTS | :Off |
| Dynamic Compression | :On |
| PCM Down Sampling | :On |
| Speaker Setup | ► |

Disc Menu   Title Menu   Setup

 Enter    Return    Menu

SPEAKER SETUP

Disc Menu   Title Menu   Setup

Small   Small   LFE On   Small
        Test    User
SL Small                SR Small

 Enter    Return    Menu
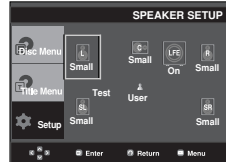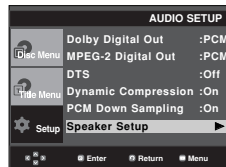
**Note**
To make the setup menu disappear, press the MENU
button.

The default settings : FRONT L, R (Small),
CENTER (Small), SURROUND (Small).
Select the size of the speakers to be connected.

❶ Front (FL, FR)
   - Large: Normally select this.
   - Small: When the sound distorts or the suround
     sound effects are difficult to hear, select this.
     This activates the Dolby Digital bass redirec
     tion circuitry and outputs the bass frequencies
     of the speaker from the subwoofer.

❷ Center
   - None: If you do not connect a center speaker,
     select this.
   - Large: Normally select this.
   - Small: When the sound distorts, select this.
     This activates the Dolby Digital bass redirec-
     tion circuitry and outputs the bass frequencies
     of the center speaker from other speakers.

❸ Surround (SL, SR)
   - None: If you do not connect a center speaker,
     select this.
   - Large (Rear/Side): Normally select either of
     these according to the rear speaker's position.
   - Small (Rear/Side): When the sound ditorts or
     the surround sound effects are dificult to hear,
     select either of these according to the rear
     speaker's position.
     This activates the Dolby Digital bass rediretion
     circuitry and outputs the bass frequencies of
     the rear speaker from other speakers.

### Setting up Test

The test output signals come clockwise starting
from the Front Speaker(L).
Adjust Channel Balance so that speakers output
equally in your room.
FRONT(L) → CENTER → SUBWOOFER →
FRONT(R) → SURROUND(R) → SURROUND(L)

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**Note**

To make the Setup menu disappear or return to menu screen during set up, press RETURN or ◄ button.

• The subwoofer test output signal is lower than the other speakers.
• The MPEG Multichannel logo is a trademark registered by PHILIPS Corporation.
• If you set Front (L, R) "Small", LFE (Subwoofer) is set "On" automatically.

# Setting Up the Display Options

Display options enable you to set various video functions of the player.
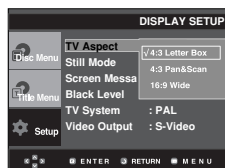
1. With the unit in Stop mode, press the **MENU** button.

2. Press the ▲/▼ buttons to select **Setup**, then press the ► or **ENTER** button.

3. Press the ▲/▼ buttons to select **Display Setup**, then press the ► or **ENTER** button.

4. Press the ▲/▼ buttons to select the desired item, then press the ► or **ENTER** button.

| | |
|---|---|
| Disc Menu | **Language Setup** ► |
| | **Audio Setup** ► |
| Title Menu | **Display Setup** ► |
| | **Parental Setup :** ► |
| Setup | **DivX(R) Registration** ► |
| | ● Enter  ● Return  ● Menu |

## ❶ TV Aspect

Depending on a type of television you have, you may want to adjust the screen setting (aspect ratio).

- 4:3 Letter Box : Select when you want to see the total 16:9 ratio screen DVD supplies, even though you have a TV with a 4:3 ratio screen. Black bars will appear at the top and bottom of the screen.

- 4:3 Pan&Scan : Select this for conventional size TVs when you want to see the central portion of the 16:9 screen. (Extreme left and right side of movie picture will be cut off.)

- 16:9 Wide : You can view the full 16:9 picture on your wide screen TV.

| | DISPLAY SETUP |
|---|---|
| Disc Menu | **TV Aspect** √ 4:3 Letter Box |
| | **Still Mode** 4:3 Pan&Scan |
| | **Screen Messa** 16:9 Wide |
| Title Menu | **Black Level** |
| | **TV System** : PAL |
| Setup | **Video Output** : S-Video |
| | ● ENTER  ● RETURN  ● MENU |

## ❷ Still Mode

These options will help prevent picture shake in still mode and display small text clearer.

- Auto : When selecting Auto, Field/Frame mode will be automatically converted.

- Field : Select this feature when the screen shakes in the Auto mode.

- Frame : Select this feature when you want to see small letters more clearly in the Auto mode.

## ❸ Screen Messages
Use to turn on-screen messages On or Off.

## ❹ Black Level
Adjusts the brightness of the screen.(On or Off) It does not function in Progressive mode.

## ❺ TV System
- NTSC : In case of using NTSC disc

• If your TV system only has PAL-Video input, you must choose "PAL". When you choose "PAL", Interlace output format is PAL 60 Hz output.

• If your TV system only has NTSC, input you must choose "NTSC ".

- PAL : In case of using PAL disc

• If your TV system only has NTSC-Video input, you must choose "NTSC".

• If your TV system only has PAL input, you must choose "PAL ".

| | DISPLAY SETUP |
|---|---|
| Disc Menu | **TV Aspect** : 4:3 L-Box |
| | **Still Mode** : Auto |
| | **Screen Messages** : On |
| | **Black Level** : Off |
| Title Menu | **TV System** NTSC |
| | **Video Output** √ PAL |
| Setup | |
| | ● ENTER  ● RETURN  ● MENU |
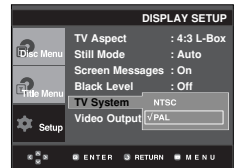
## ❻ Video Output
Select Video Output.

- S-VIDEO : Select when you want to use Video and S-Video Out.

- COMPONENT(I-SCAN) : Select when you want to use Component Interlace (525i) Out.

- COMPONENT(P-SCAN) : Select when you want to use Component Progressive (525p) Out.

• If you press the VIDEO SEL. button, Video output mode is changed in regular sequence in no disc mode. (COMPOSITE/S-VIDEO → COMPONENT (I-SCAN) → COMPONENT(P-SCAN))

• If the Yes/No selection in the Display Setup sub Menu is not made within 10 seconds, the screen returns to the previous menu.

**DISPLAY SETUP**

| | |
|---|---|
| TV Aspect | : 4:3 L-Box |
| Still Mode | : Auto |
| Screen Messages | : On |
| Black Level | √ S-Video |
| TV System | I- SCAN |
| Video Output | P-SCAN |

■ ENTER ● RETURN ■ MENU

• **Consult your TV User's Manual to find out if your TV supports Progressive Scan. If Progressive Scan is supported, follow the TV User's Manual regarding Progressive Scan settings in the TV's menu system.**
• **If Video Output is set incorrectly, the screen may be blocked.**
• **When the resolution is changed during play-back, it may take a few seconds for a normal image to appear.**

# Setting Up the Parental Control
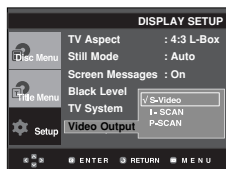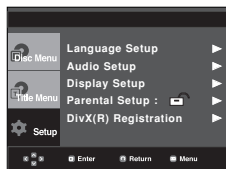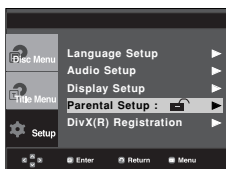
The Parental Control function works in conjunction with DVDs that have been assigned a rating, which helps you control the types of DVDs that your family watches. There are up to 8 rating levels on a disc.
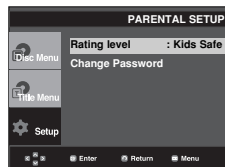
## Setting Up the Rating Level

1. With the unit in Stop mode, press the **MENU** button.
2. Press the ▲/▼ buttons to select **Setup**, then press the ► or **ENTER** button.

| | |
|---|---|
| Language Setup | ► |
| Audio Setup | ► |
| Display Setup | ► |
| Parental Setup : 🔒 | ► |
| DivX(R) Registration | ► |

■ Enter ● Return ■ Menu

3. Press the ▲/▼ buttons to select **Parental Setup**, then press the ► or **ENTER** button.

| | |
|---|---|
| Language Setup | ► |
| Audio Setup | ► |
| Display Setup | ► |
| Parental Setup : 🔒 | ► |
| DivX(R) Registration | ► |

■ Enter ● Return ■ Menu

4. Press the ▲/▼ buttons to select **Rating Level**, then press the ► or **ENTER** button.

**PARENTAL SETUP**

| | |
|---|---|
| Rating level | : Kids Safe |
| Change Password | |

■ Enter ● Return ■ Menu

5. Enter your password.
   - By default, password is set to 0000.

**PARENTAL SETUP**

| | |
|---|---|
| Rating Level | : Kids Safe |
| Change Password | |

Enter Password
☐ ☐ ☐ ☐

■ Enter ● Return ■ Menu
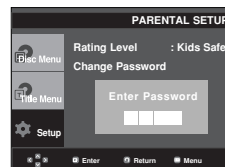
6. Press the ▲/▼ buttons to select the Rating Level you want, then press the ► or **ENTER** button.
   e.g) Setting up in **Kids Safe**.

**PARENTAL SETUP**

| | |
|---|---|
| Rating Level | √ Kids Safe |
| Change Password | Level 2 |
| | Level 3 |
| | Level 4 |
| | Level 5 |
| | Level 6 |

■ Enter ● Return ■ Menu
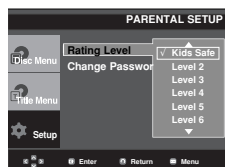
**Note**

• To make the setup menu disappear, press the MENU button. For example, if you select up to Level 6, discs that contain Level 7,8 will not play.

## Changing the Password

1. With the unit in Stop mode, press the **MENU** button.
2. Press the ▲/▼ buttons to select **Setup**, then press the ► or **ENTER** button.

| | |
|---|---|
| Language Setup | ► |
| Audio Setup | ► |
| Display Setup | ► |
| Parental Setup : 🔒 | ► |
| DivX(R) Registration | ► |

■ Enter ● Return ■ Menu

3. Press the ▲/▼ buttons to select **Parental Setup**, then press the ► or **ENTER** button. The Enter Password screen appears. Enter your password.

| | |
|---|---|
| Language Setup | ► |
| Audio Setup | ► |
| Display Setup | ► |
| Parental Setup : 🔒 | ► |
| DivX(R) Registration | ► |

■ Enter ● Return ■ Menu

29
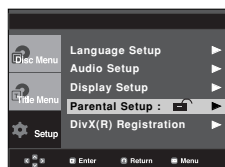
4. Press the ▲/▼ button to select **Change Password**, then
   press the ► or **ENTER** button. Enter your password (default
   password). Enter the new password again.
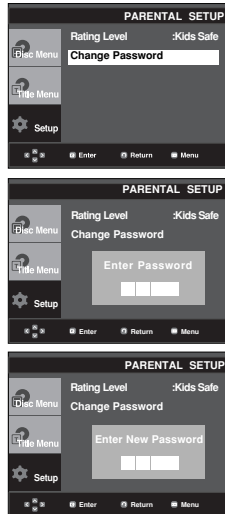


**Note**
If you have forgotten your password, see
"Forgot Password" in the Troubleshooting Guide.

# REFERENCE

## Firmware upgrade

### Introduction

Samsung will often support the software upgrade to improve the performance of this unit to the latest status, through Samsung Internet Site (www.samsung.com).

Because the specially new MPEG4 codec continues and it is appearing. What improvements are made depends on the upgrade software you are using as well as the software that your DVD-player contained before the upgrade.

### How to make an upgrade disc

Write the downloaded file onto a blank CD-R or CD-RW disc, using the following settings:

1. You have to download a new file through Download Center of Samsung Internet Site (www.samsung.com).
2. Write the file to Disc using CD-RW of your computer.

> **Note**
> - File System CD-ROM ISO Level
> - Character set ISO 9660
> - Finalized, single session
> - Write speed low

### Upgrade procedure

1. Open the disc tray. Place the disc on the tray. Close the tray. The Firmware upgrade screen appears.

```
Firmware upgrade

Old Version :    TRINO*178*040904
New Version :    TRINO*178*041212

Cancel      Total
```

**Firware upgrade
appears on the display**

2. Press the ◄/► buttons to select **Total**, then press the ENTER button.

```
Firmware upgrade

Old Version :   TRINO*178*040904
New Version :   TRINO*178*041212

Cancel              Total
             New Loading...
             CAUTION !!!
    When the tray is opened
    Do not turn off the player
    until it goes off automatically
```

- In the middle of the writing, the tray will open automatically. After taking out the disc, please wait for about 2 minutes.
- If the unit was succesfully updated, the unit will turn off and on after closing the tray automatically. When the unit turns on, this screen will display.

3. Press the number buttons to select the desired

   language

```
SELECT MENU LANGUAGE

      Press   1   for English
     Touche   2   pour Français
 Drücken Sie  3   für Deutsch
      Pulsar  4   para Español
     Premere  5   per Italiano
     Druk op  6   voor Nederlands
```

> **Note**
> - If the "Select Menu Language" doesn't appear, please contact to "Samsung Service Center".
> - Do not press any button and unplug the power code during upgrade.
> - The upgrade procedure may change, refer to the web site (www.samsung.com).

# Troubleshooting

Before requesting service (troubleshooting), please check the following.

| Problem | Action | Page |
|---|---|---|
| No operations can be performed with the remote control. | • Check the batteries in the remote control.<br>  They may need replacing.<br>• Operate the remote control at a distance of no more than 20 feet.<br>• Remove batteries and hold down one or more buttons for several minutes to drain the microprocessor inside the remote control to reset it. Reinstall batteries and try to operate the remote control again. | P3 |
| Disc does not play. | • Ensure that the disc is installed with the label side facing up.<br>• Check the region number of the DVD. | P5 |
| 5.1 channel sound is not being reproduced. | • 51 channel sound is reproduced only when the following conditions are met. :<br>  1) The DVD player is connected with the proper Amplifier<br>  2) The disc is recorded with 5.1 channel sound.<br>• Check whether the disc being played has the "5.1 ch" mark on the outside.<br>• Check if your audio system is connected and working properly.<br>• In a SETUP Menu, is the Audio Output set to Bitstream? | P13-15<br><br>P27-28 |
| The ⊘ icon appears on screen. | • The features or action cannot be completed at this time because:<br>1. The DVD's software restricts it.<br>2. The DVD's software doesn't support the feature (e.g., angles).<br>3. The feature is not available at the moment.<br>4. You've requested a title or chapter number or search time that is out of range. |  |
| Disc Menu doesn't appear. | • Check if the disc has a Menu. |  |
| Play mode differs from the Setup Menu selection. | • Some of the functions selected in the Setup Menu may not work properly if the disc is not encoded with the corresponding function. | P25-30 |
| The screen ratio cannot be changed. | • The Screen Ratio is fixed on your DVDs. | P29-30 |
| No audio. | • Make sure you have selected the correct Digital Output in the Audio Options Menu. | P28-29 |
| The screen is blocked | • Press the ▶▶❘ button for more than 5 seconds under no disc inside.<br>All settings  will revert to the factory settings. | P16 |
| Forgot password | • Press the ▶▶❘ button for more than 5 seconds under no disc inside.<br>All settings including the password  will revert to the factory settings. Don't use this unless absolutely necessary. | P29 |
| If you experience other problems. | • Go to the contents and find the section of the instruction book that contains the explanations regarding the current problem, and follow the procedure once again.<br>• If the problem still cannot be solved, please contact your nearest authorized service center. |  |
| The picture is noisy or distorted | • Make sure that the disc is not dirty or scratched.<br>• Clean the disc. | P2 |

# Specification

| | | |
|---|---|---|
| General | Power Requirements | AC 110-240 V ~ 50/60 Hz |
| | Power Consumption | 9 W |
| | Weight | 1.7 Kg |
| | Dimensions | 430mm (W) X 207mm (D) X 37mm (H) |
| | Operating Temperature Range | +5°C to +35°C |
| | Operating Humidity Range | 10 % to 75 % |
| Disc | DVD (DIGITAL VERSATILE DISC) | Reading Speed : 3.49 ~ 4.06 m/sec. Approx. Play Time (Single Sided, Single Layer Disc) : 135 min. |
| | CD : 12Cm (COMPACT DISC) | Reading Speed : 4.8 ~ 5.6 m/sec. Maximum Play Time : 74 min. |
| | CD : 8Cm (COMPACT DISC) | Reading Speed : 4.8 ~ 5.6 m/sec. Maximum Play Time : 20 min. |
| | VCD : 12Cm | Reading Speed : 4.8 ~ 5.6 m/sec. Maximum Play Time : 74 min. (Video + Audio) |
| Video Output | Composite Video | 1 channel : 1.0 Vp-p (75 $\Omega$ load) |
| | Component Video | Y : 1.0 Vp-p (75 $\Omega$ load) Pr : 0.70 Vp-p (75 $\Omega$ load) Pb : 0.70 Vp-p (75 $\Omega$ load) |
| | S-Video | Luminance Signal : 1.0 Vp-p (75 $\Omega$ load) Chrominance Signal : 0.3 Vp-p (75 $\Omega$ load) |
| Audio Output | 2 Channel | L(1/L), R(2/R) |
| | *Frequency Response | 48 kHz Sampling : 4 Hz to 22 kHz 96 kHz Sampling : 4 Hz to 44 kHz |
| | *S/N Ratio | 110 dB |
| | *Dynamic Range | 100 dB |
| | *Total Harmonic Distortion | 0.004 % |

*: Nominal specification

- Samsung Electronics Co., Ltd reserves the right to change the specifications with out notice.
- Weight and dimensions are approximate.

## Contact SAMSUNG WORLD WIDE

If you have any questions or comments relating to Samsung products, please contact the SAMSUNG customer care centre.

| Region | Country | Customer Care Center | Web Site |
|---|---|---|---|
| North America | CANADA | 1-800-SAMSUNG (7267864) | www.samsung.com/ca |
| | MEXICO | 01-800-SAMSUNG (7267864) | www.samsung.com/mx |
| | U.S.A | 1-800-SAMSUNG (7267864) | www.samsung.com |
| Latin America | ARGENTINE | 0800-333-3733 | www.samsung.com/ar |
| | BRAZIL | 0800-124-421<br>4004-0000 | www.samsung.com/br |
| | CHILE | 800-726-7864 (SAMSUNG) | www.samsung.com/cl |
| | COSTA RICA | 0-800-507-7267 | www.samsung.com/latin |
| | ECUADOR | 1-800-10-7267 | www.samsung.com/latin |
| | EL SALVADOR | 800-6225 | www.samsung.com/latin |
| | GUATEMALA | 1-800-299-0013 | www.samsung.com/latin |
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| | TRINIDAD & TOBAGO | 1-800-7267-864 | www.samsung.com/latin |
| | VENEZUELA | 0-800-100-5303 | www.samsung.com/latin |
| | COLOMBIA | 01-8000112112 | www.samsung.com.co |
| Europe | BELGIUM | 02 201 2418 | www.samsung.com/be |
| | CZECH REPUBLIC | 844 000 844<br>Distributor pro Českou republiku :<br>Samsung Zrt., česka organizační složka<br>Vyskočilova 4, 14000 Praha 4 | www.samsung.com/cz |
| | DENMARK | 38 322 887 | www.samsung.com/dk |
| | FINLAND | 09 693 79 554 | www.samsung.com/fi |
| | FRANCE | 3260 SAMSUNG or<br>08 25 08 65 65 (€ 0,15/Min) | www.samsung.com/fr |
| | GERMANY | 01805 - 121213 (€ 0,14/Min) | www.samsung.de |
| | HUNGARY | 06-80-SAMSUNG (7267864) | www.samsung.com/hu |
| | ITALIA | 800-SAMSUNG (7267864) | www.samsung.com/it |
| | LUXEMBURG | 0032 (0)2 201 24 18 | www.samsung.lu |
| | NETHERLANDS | 0900 20 200 88 (€ 0,10/Min) | www.samsung.com/nl |
| | NORWAY | 231 627 22 | www.samsung.com/no |
| | POLAND | 0 801 801 881 | www.samsung.com/pl |
| | PORTUGAL | 80 8 200 128 | www.samsung.com/pt |
| | SLOVAKIA | 0800-SAMSUNG (726786) | www.samsung.com/sk |
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