DVD+R/RW Recorder

User Manual	Before attempting to connect, operate or adjust this product, please save and read this manual completely.

82-128-01011

Contents

CAUTION:

This unit employs a laser. Due to possible eye injury, only qualified service personnel should remove the cover or attempt to service this device. Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

NOTE:

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 in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment 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 equipment and receiver.
– Connect the equipment 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.

For DVD Players with 525p, but not 625p, progressive scan output:

'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 OUR TV SET COMPATIBILITY WITH THIS MODEL 525p DVD PLAYER, PLEASE CONTACT OUR CUSTOMER SERVICE CENTER.'

Since it is usual for DVD movies to be released at different times in different regions of the world, all players have region codes and disc can have an optional region code. If you load a disc of a different region code to your player, you will see the region code notice on the screen. The disc will not play, and should be unloaded.

(Possible region codes:)

$\textcircled{1}$ $\textcircled{2}$ $\textcircled{3}$ $\textcircled{4}$ $\textcircled{5}$ $\textcircled{6}$

There are 6 regions (also called "locals"). Each DVD player and disc will be played in one region ONLY.
1: Canada, U.S., U.S. Territories
2: Japan, Europe, South Africa, Middle East (including Egypt)
3: Southeast Asia, East Asia (including Hong Kong)
4: Australia, New Zealand, Pacific Islands, Central America, Mexico, South America, Caribbean
5: Former Soviet Union, Indian Subcontinent, Africa (also North Korea, Mongolia)
6: China

Never make or change connections with the power switched on.

CAUTION VISIBLE AND INVISIBLE LASER RADIATION WHEN OPEN AVOID EXPOSURE TO BEAM (WARNING LOCATION: INSIDE ON LASER COVERSHIELD)

CLASS I LASER PRODUCT

Important Safety Instructions

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with a damp cloth.
7. Do not block any of the ventilation openings. Install in accordance with the manufacturer's instructions.
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-type plug. A polarized plug has two blades with one wider than the other. The wide blade is provided for your safety. When 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 plug, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12. Use only with a cart, stand, tripod, bracket, or table specified by the manufacturer or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
13. Unplug this apparatus during lighting storms or when unused for long periods of time.
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way; such as when the power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

Outdoor use or wet location applications:
An apparatus that does not comply with the requirements in Appendix A# (Outdoor Use and Wet Location Apparatus) shall be marked or the instruction manual packed with the word "WARNING" and the following or equivalent: "To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.

A Class II APPARATUS shall be permanently marked with the words "DOUBLE INSULATION" or "Double insulated" and "When servicing use only identical replacement parts."

WARNING: To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture. The apparatus shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the apparatus.

Precautions

Please read these precautions before operating this unit.

■Power cord protection

To avoid any malfunctions of the unit, and to protect against electric shock, fire or personal injury, please observe the following.
- Hold the plug firmly when connecting or disconnecting the AC power cord.
- Keep the AC power cord away from heating appliances.
- Never put any heavy object on the AC power cord.
- Do not attempt to repair or reconstruct the AC power cord in any way.

■Placement

Avoid placing the unit in areas of:
- direct sunlight or heating radiators, or closed automobiles
- high temperature (over 35^{0}C) or high humidity (over 90%)
- much dust as the internal parts may be seriously damaged.

■Non-use periods

When the unit is not being used, turn it off. When left unused for a long period of time, the unit should be unplugged from the household AC outlet.

■No fingers or other objects inside

- Touching internal parts of this unit is dangerous, and may cause serious damage to the unit. Do not attempt to disassemble the unit.
- Do not put any foreign object on the disc tray.

■Keep away from water/magnet

- Keep the unit away from flower vases, tubs, sinks, etc. If liquids are spilled into the unit, serious damage could occur.
- Never bring a magnet or magnetized object near the unit.

■Stacking

- Place the unit in a horizontal position, and do not place anything heavy on it.

■Condensation

Moisture may form on the lens in the following conditions:
- immediately after a heater has been turned on
- in a steamy or very humid room
- when the unit is suddenly moved from a cold environment to a warm one

If moisture forms inside this unit, it may not operate properly. In this case, turn on the power and wait about one hour for the moisture to evaporate.

■If there is noise interference on the TV while a broadcast is being received

Depending on the reception condition of the TV, interference may appear on the TV monitor while you watch a TV broadcast and the unit is left on. This is not a malfunction of the unit or the TV. To watch a TV broadcast, turn off the unit.

1-1 DVD Playback

Preparations
- Press on the power button of the TV set, and select "Video" as the TV input.
- Press on the power button of the stereo system if the player has been connected to a stereo system.

Basic Playback

1 **Press POWER on.**

2 **Press EJECT to open the disc tray.**

3 **Place a disc onto the tray.**

Hold the disc without touching its surfaces, position it with the printed title side facing up, align it with the guides, and place it in its proper position.

4 **Press EJECT.**
- The disc tray closes and this DVD Recorder starts playback if the disc does not have any menus recorded on it.
- If the disc has one or more titles recorded on it, a menu screen will appear on the TV screen.

NOTE: Proceed with steps 5 and 6 when a menu is available on the disc.

5 **Press ◀ / ▶ / ▲ / ▼ or the number button(s) to select the preferred title.**

NOTE: To select a title, input the number, i.e. 1 for chapter 1, 10 for chapter 10, and etc.

6 **Press ▶／↵.**

The player now starts playback of the selected item.

Stopping Playback and Returning to The Menu Screen (If a Menu Screen Is Available on The Disc)

Press **MENU**. This DVD Recorder stops playback, and then displays the menu screen.

After operation

When this DVD Recorder is not in use, remove the disc and press **POWER** on the remote control to turn to stand-by mode. When on stand-by mode, the power indicator of this DVD Recorder turns red.

NOTE:
- The disc continues to rotate while the menu is displayed even after the player has finished playing a particular disc. When no further selections are to be played, be sure to press the **STOP** button to clear the menu screen.
- If the disc is placed upside down (and it is a single sided disc), the player's display will appear "NO DISC".

For your reference:
- When "⊘" appears while a button is being operated, it means that the corresponding operation is prohibited by the player.

Programming DVDs

1 **Press PBC and press STOP.**

2 **Press PROGRAM.**

3 **Press ◀ / ▶ / ▲ / ▼ or the number button(s) to arrange the play list.**

4 **Press ▶／↵.**

NOTE:
For VCD 2.0
- Press **RETURN,** you can return to menu screen while playback. (only after pressing **PBC**.)

Stopping Playback

Press STOP.

Rapid Advance (Rapid Reverse)

Press ◀◀ F.BWD or F.FWD ▶▶ during playback.

- Normal playback is resumed when you press ▶/◄┘.
- The speed of advance (▶ x2, ▶ x4, and etc) or reverse (◀ x2, ◀ x4, and etc.) changes for each press of the **F.FWD** or **F.BWD** button.

Skipping Ahead or Back to Chapters

You can skip a specific chapter or track to playback.

Skipping Ahead

Press NEXT ▶▶❘ during playback.

Skips a chapter each time you press the button.

Skipping Back

Press ❘◀◀ PREV during playback.

When you press the button once midway through a chapter, this DVD Recorder returns to the previous chapter to playback. The player skips a chapter each time you press the button.

Still Picture (PAUSE)

Press PAUSE once during playback.

The screen is paused .

To return to normal playback

Press ▶/◄┘.

Frame Advance (STEP)

Press PAUSE twice during playback.

The disc is advanced by one frame each time you press the button.

To return to normal playback

Press ▶/◄┘.

Slow-Motion Playback

Press SLOW during playback.

The playback speed changes (▶ 1/2, ▶ 1/4, and etc.) each time you press the **SLOW** button.

To return to normal playback

Press ▶/◄┘.

1-2 Direct Selection of Scenes

Selecting Scenes by Title/Chapter Number

Allows you to locate specific titles/chapters of scenes to playback.

1 **Press GOTO during playback.**

2 **Press ◀ / ▶ to move the cursor to the title box or chapter box.**

Press ▶ button to see other information box.

3 **Press ▶/↵, the title box or chapter box turns yellow.**

4 **Press the number button(s) or ▲ / ▼ to select the preferred title or chapter.**

5 **Press ▶/↵.**

This DVD Recorder starts playback from selected title/chapter numbers.

To return to normal playback

Press **GOTO** until the box disappears.

For your reference:

● When "⊘" appears while you are pressing a button, it may indicate that the corresponding operation is prohibited by the player.

● To exit the direct selection of scenes, press **GOTO** while the box turns white. (If the box turns yellow, you can't choose other options.)

Selecting Scenes by Time

1 **Press GOTO during playback.**

2 **Press ▶ to move the cursor to the time box.**

Press ▶ button to see other information box.

3 **Press ▶/↵, the time box turns yellow.**

4 **Press the number button(s) to specify the starting position.**

Example:

To locate "01 hr. 50 min. 00 sec.", press "0", "1", "5", "0", "0" and "0".

5 **Press ▶/↵.**

This DVD Recorder starts playback from the specified position.

To return to normal playback

Press **GOTO** until the box disappears.

● For some discs, ▶/↵ may not start from the specified position even when the steps above have been performed correctly.

For your reference:

● When "⊘" appears while you are pressing a button, it may indicate that the corresponding operation is prohibited by the player.

● To exit the direct selection of scenes, press **GOTO** while the box turns white. (If the box turns yellow, you can't choose other options.)

Repeat Viewing

1 Press 1/ALL REPEAT during playback, the repeat box show on the top left side of the screen.

2 Press ▶/↵, the repeat box turns yellow.

3 Press ▲ / ▼ to choose the preferred repeat frequency.

Chapter: Repeat chapter

Title: Repeat title

Disc: Repeat disc

Off: Repeat cancelled

4 Press ▶/↵.

To return to normal playback

Press **1/ALL REPEAT** until the box disappears.

NOTE:
- Repeat playback works only with discs for which the elapsed playing time appears on the player's display during playback.
- Repeat playback may not work correctly with some DVDs.

Repeating Sections Between Two Specific Points (A-B Repeat)

1 Press A-B during playback at the point where repeat play is to start (A).

⊞ appears on the right corner of the screen.

2 Press A-B again at the point where repeat play is to end (B).

⊞ appears on the right corner of the screen. Repeat playback of points A to B starts playback.

To return to normal playback

Press **A-B** until ⊞ disappears.

1-4 Convenient Functions

Displaying the Information of the Scene

Press INFO. during playback, the title box, chapter box, time box and other information box will show on the top left side of the screen.

Press ▶ button to see other information box.

Stop Displaying the Information of the Scene

Press INFO. until the INFO. box disappears.

Displaying the Scene With a Larger and Closer View

The ZOOM function enables you to take a closer look at the scene while you are watching a movie.

1 **Press ZOOM during playback, a zoom window box will appear on the top left side of the screen.**

2 **Press ZOOM a number of times to see the scene in different size.**

3 **Press ◀ / ▶ / ▲ / ▼ to choose the preferred scene to see it in different size.**

To return to normal playback

Press **ZOOM** a number of times until the zoom window box disappears.

Changing Audio Soundtrack Language

You can change the audio language from the one selected at the initial settings to a different language, if available. (This operation functions only with discs on which multiple audio soundtrack languages are recorded.)

1 **Press AUDIO during playback, a audio window box will appear on the top left side of the screen.**

2 **Press ▶／↵, the auido window box turns yellow.**

3 **Press ▲ / ▼ to select the preferred language.**

4 **Press ▶／↵.**

To return to normal playback

Press **AUDIO** until the box disappears.

For your reference:
- When the preferred language is not selected even after pressing ▲ / ▼ button several times, it may indicate that the language is not available on the disc.
- When you turn on or remove the disc, this DVD Recorder will play back the language which is selected at the initial setting. If you select a language which is not recorded on the disc, this DVD Recorder will play back a prior language programmed on the disc.

Clearing/Changing Subtitles

If a disc provides subtitles, you can choose to hide or change them. (This operation works only with discs that provide subtitles.)

1 Press SUBTITLE during playback, a subtitle window box will appear on the top left side of the screen.

When no subtitles are recorded " $\bigcirc$ " will display.

2 Press ▶/◀┘, the subtitle window box turns yellow.

3 Press ▲ / ▼ to hide or change subtitles.

4 Press ▶/◀┘.

The subtitle window box will turn white.

To return to normal playback

Press **SUBTITLE** until the subtitle window box disappears.

NOTE:
● In some cases, the subtitle language may not change immediately to the selected one.

For your reference:
● When the preferred subtitle language is not selected, it may indicate that the language is not available on the disc.
● When you turn on or remove the disc, this DVD Recorder will play back the subtitle language which is selected at the initial setting. If you select a subtitle language which is not recorded on the disc, the player will play back a prior subtitle language programmed on the disc.
● You can change the subtitle language with the initial settings, if available.

Viewing From Another Angle

Some DVD discs may contain scenes which have been shot simultaneously from a number of different angles. For these discs, the same scenes can be viewed from each of these different angles using the ANGLE "🎥" button. (The recorded angles vary depending on the disc programmed.)

1 Press ANGLE during playback, the angle window box will appear on the top left side of the screen.

2 Press ▶/◀┘, the angle window box turns yellow.

3 Press ▲ / ▼ to select the preferred viewing angle.

4 Press ▶/◀┘.

The angle window box will turn white.

To return to normal playback

Press **ANGLE** until the angle window box disappears.

NOTE:
● ANGLE will only function on discs where different angles have been recorded.
● The viewing angles are shown on the player's display and you can select one from them for viewing .

1-4 Convenient Functions-continued

Using a DVD Menu

Some DVD discs have unique menu structures called DVD menus. For example, DVDs programmed with complex contents provide guide menus, and those recorded with various languages provide menus for audio and subtitle language. Although the DVD menu's contents and operation vary from disc to disc, the following explains basic operation when this feature is used.

1 Press **TITLE**.

The DVD menu available on the disc now appears.

2 Press ◄ / ► / ▲ / ▼ to select the preferred item.

3 Press ►/⏎.

You now enter to the selected item.

To enter other menu screen

Repeat steps 2 and 3.

To return to the previous menu screen

Press **TITLE**.

Using the MENU Function

1 Press **MENU**.

A DVD chapter menu with brief broadcast of each paragraph now appears. You may see the introduction of each chapter and then decide with which chapter to start first.

2 Press ◄ / ► / ▲ / ▼ or number button(s) to select the preferred item.

NOTE:
The menu details vary depending on discs recorded.

To Mute the DVD Recorder

In some cases, you may need to mute this DVD Recorder temporarily. This player provides a MUTE function for your selections.

1 Press **MUTE** button during playback, a MUTE icon appears on the left corner of the screen.

● When a MUTE icon appears on the screen, this DVD Recorder is mute. To resume the sound, press **MUTE** again.

Playing Kodak Picture CDs and JPEG picture CDs

You can play Kodak picture CDs and JPEG pictures for viewing on the screen.

Basic Playback

Load a Kodak picture CD on the tray.

After few seconds, the player starts play back the pictures in slide show automatically.

ZOOM

1 Press ZOOM repeatedly to view picture in different sizes.

2 Press ◄ / ► / ▲ / ▼ to view different parts of the picture in its close-up.

3 Press NEXT ►►I and Press I◄◄ PREV to view the next or previous picture.

Pause, Next and PREV.

1 Press PAUSE to pause slide show.

To resume slide show

Press ►／◄ again.

2 Press NEXT ►►I and Press I◄◄ PREV to view the next or previous picture.

Rotating

1 When the picture is paused, press ◄ / ► / ▲ / ▼ to rotate the picture by 90 degree.

Progressive Scan Setting [DVD]

The DVD player provides two scan modes: interlaced and progressive. When choosing Progressive Scan, you can have a better viewing result. This setting requires your TV also to have Progressive Scan feature.

● Make sure the RGB/YUV cable are properly connected to your TV component input and your player component output.

1 **Press SETUP.**

2 **Press ▲ / ▼ to switch pages to "Video Setup".**

3 **Press ▲ / ▼ to select "VIDEO OUTPUT" and press ▶／◢ to select "Component".**

4 **Press ▲ / ▼ to select "Output format" and press ▶／◢ to select "Progressive".**

5 **Press ◀ button to return and save the setting.**

Troubleshooting:
What if the screen **turns black** while operating...
Solution: Press "**TV SYS.**" a number of times until the screen is back to normal.

Preparations
- Power on the TV set, and then select "Video" as the TV input.
- Power on the stereo system if the player has been connected to a stereo system.

Basic Playback

1 **Press POWER on.**

2 **Press EJECT to open the disc tray.**

3 **Place a disc onto the tray.**
Hold the disc without touching its surfaces, position it with the printed title side facing up, align it with the guides, and place it in its proper position.

4 **Press EJECT.**
This DVD Recorder starts playback.

5 **Press ▲ / ▼ to select a specific music.**

6 **Press ▶∕◄┘.**

Playing MP3 Music Discs

1 **Press POWER on.**

2 **Press EJECT to open the disc tray.**

3 **Place a MP3 disc onto the tray.**
Hold the disc without touching its surfaces, position it with the printed title side facing up, align it with the guides, and place it in its proper position.

4 **Press EJECT.**

5 **Press ▲ / ▼ to select a specific MP3 music.**

6 **Press ▶∕◄┘.**

Stopping Playback
Press STOP.

Rapid Advance (Rapid Reverse)
Press ◄◄ F.BWD or F.FWD ▶▶ down during playback.

- Normal play is resumed when you press ▶∕◄┘.
- The speed of forward (▶ x2, ▶ x4, and etc.) or reverse (◄x2, ◄ x4, and etc.) changes for every press of the **F.FWD** or **F.BWD** button.

NOTE:
This function doesn't work when playing back MP3.

Skipping Ahead or Back to Tracks

Skipping Ahead
Press NEXT ▶▶| during playback.
A track is skipped each time you press the button.

Skipping Back
Press |◄◄ PREV during playback.
When you press the button once midway through a track, this DVD Recorder returns to the previous track to playback. The player skips a track each time the button is pressed.

2 Audio CDs

Pause Playback

Press PAUSE during playback.

The player will pause playback.

To return to normal playback

Press ▶/◀┘.

NOTE:

This function doesn't work when playing back MP3.

Programming Audio CD Soundtrack

You can program music to play back in your favorite order.

1 **Press STOP.**

2 **Press PROGRAM.**

3 **Press ▲ / ▼ to choose the preferred track and then Press ▶/◀┘.**

NOTE:

● The default playback order will start from the beginning to the end of the tracks if you did not set it yourself. On the contrary, if you did set all the playback order of the available tracks, this DVD Recorder will start playback of the order you specified.

To Remove the Programmed tracks

● Press ▲ / ▼ to choose the preferred track and then press ▶/◀┘.

● Or choose CLEAR ALL to remove all the programmes tracks.

To Exit the Programmed tracks

● Press **PROGRAM** to exit. (If you press **PROGRAM** to exit programmed tracks, this DVD Recorder won't playback in the order you specified. You have to choose PLAY, press ▶/◀┘ to exit. Then this DVD Recorder will playback in the order you specified.)

Selecting Music by Track

Allows you to locate specific track to playback.

1 **Press GOTO during playback.**

2 **Press ◀/▶ to move the cursor to the track box.**

Press ▶ button to see other information box.

3 **Press ▶/◀┘, the track box turns yellow.**

4 **Press the number button(s) or ▲ / ▼ to select the preferred track.**

5 **Press ▶/◀┘.**

This DVD Recorder starts playback from selected track number.

For your reference:

● When "⃠" appears while you are pressing a button, it may indicate that the corresponding operation is prohibited by the player.

● To exit selecting music by track, press **GOTO** while the box turns white. (If the box turns yellow, you can't choose other options.)

Selecting Music by Time

1 **Press GOTO during playback.**

2 **Press ◄ / ► to move the cursor to the time box.**

Press ► button to see other information box.

3 **Press ►⁄↵ , the time box turns yellow.**

4 **Press the number button(s) to specify the starting position.**

Example:

To locate "01 hr. 30 min. 12 sec.", press "0","1", "3", "0", "1" and "2".

5 **Press ►⁄↵ .**

This DVD Recorder starts playback from specified position.

For your reference:
- When "◯" appears while you are pressing a button, it may indicate that the corresponding operation is prohibited by the player.
- To exit selecting music by time, press **GOTO** while the box turns white. (If the box turns yellow, you can't choose other options.)
- This function only works within a track, so your input time number can't be more than the track time.

Random Playback

You could choose to playback your audio CD in random order.

1 **Press GOTO during playback.**

2 **Press ◄ / ► to move the cursor to the Normal/Random box.**

Press ► button to see other information box.

3 **Press ►⁄↵ , the random box turns yellow.**

4 **Press ▲ / ▼ to select to play in random order .**

5 **Press ►⁄↵ .**

This DVD Recorder starts playback in random order.

For your reference:
- When "◯" appears while you are pressing a button, it may indicate that the corresponding operation is prohibited by the player.
- To exit random playback, press **GOTO** while the box turns white. (If the box turns yellow, you can't choose other options.)

Repeat Playback

You could choose to playback your audio CD repeatly.

1 Press GOTO during playback.

2 Press ◀ / ▶ to move the cursor to the repeat box.

Press ▶ button to see other information box.

3 Press ▶/↵, the repeat box turns yellow.

4 Press ▲ / ▼ to select to play repeatly .

5 Press ▶/↵.

This DVD Recorder starts playback repeatly.

For your reference:

● When "⊘" appears while you are pressing a button, it may indicate that the corresponding operation is prohibited by the player.

● To exit repeat playback, press **GOTO** while the box turns white. (If the box turns yellow, you can't choose other options.)

To Mute the DVD Recorder

In some cases, you may need to mute this DVD Recorder temporarily. This player provides a MUTE function for your selections.

1 Press MUTE button during playback, a MUTE icon appears on the left corner of the screen.

● When a MUTE icon appears on the screen, this DVD Recorder is mute. To resume the sound, press **MUTE** again.

2-2 Information [Audio CDs]

Displaying the Information of the Playing Track

Displaying the Information of the Playing track

Press INFO. during playback, the track number, time and other information will show on the top left side of the screen.

Press ▶ button to see other information.

Stop Displaying the Information of the Playing Track

Press INFO. until the INFO. box disappears.

3-1 Language Setup

Note: Please refer the OSD instruction to do the following setup setting.

On Screen Display (OSD) Language Setting

Allows you to set various languages for the on screen display (OSD).

1 **Press SETUP in the stop mode.**

2 **Press ▲ / ▼ to select "Language" then press ▶／↵.**

3 **Press ▲ / ▼ to select "O.S.D." then press ▶／↵.**

4 **Press ▲ / ▼ to select the preferred language.**

5 **Press ▶／↵.**

To return to the SETUP MENU screen

Press ◀ button.

To finish the setup operation

Press **SETUP** to exit from SETUP MENU screen.

DVD MENU Language Setting

You can select a preferred language among various languages that has been recorded on discs for the disc menu messages display.

1 **Press SETUP in the stop mode.**

2 **Press ▲ / ▼ to select "Language" and press ▶／↵.**

3 **Press ▲ / ▼ to select "Menu" then press ▶／↵.**

4 **Press ▲ / ▼ to select the preferred language.**

5 **Press ▶／↵.**

To return to the SETUP MENU screen

Press ◀ button.

To finish the setup operation

Press **SETUP** to exit from SETUP MENU screen.

AUDIO Soundtrack Language Selection [DVD]

You can select a preferred soundtrack language among various languages that have been recorded on DVD discs.

1 **Press SETUP in the stop mode.**

2 **Press ▲ / ▼ to select "Language" then press ▶/↵.**

3 **Press ▲ / ▼ to select "Audio" then press ▶/↵.**

4 **Press ▲ / ▼ to select a preferred language.**

5 **Press ▶/↵.**

ORIGINAL:
The top-priority language of each disc will always play back first.

To return to the SETUP MENU screen

Press ◀ button.

To finish the setup operation

Press **SETUP** to exit from SETUP MENU screen.

For your reference:
● If the language selected is not recorded on the disc, the DVD Recorder will play back the top-priority language of the disc.

SUBTITLE Language Selection [DVD]

You can select a preferred subtitle language among various languages that have been recorded on DVD discs.

1 **Press SETUP in the stop mode.**

2 **Press ▲ / ▼ to select "Language" and press ▶/↵.**

3 **Press ▲ / ▼ to select "Subtitles", then press ▶/↵.**

4 **Press ▲ / ▼ to select a preferred language.**

5 **Press ▶/↵.**

To return to the SETUP MENU screen

Press ◀ button.

To finish the setup operation

Press **SETUP** to exit from SETUP MENU screen.

For your reference:
● If the language selected is not recorded on the disc, the subtitle will playback the top-priority language of the disc.

Aspect Ratio Setting

The kind of TV set (4:3 or 16:9) connected to this DVD Recorder can be selected.

1 **Press SETUP in the stop mode.**

2 **Press ▲ / ▼ to select "Video Setup" and press ▶╱↵.**

3 **Press ▲ / ▼ to select "Aspect Ratio" then press ▶╱↵.**

4 **Press ▲ / ▼ to select a preferred TV display.**

16:9 Wide ⌐∿⌐

Select **Wide (16:9)** for a wide-screen TV set.
Played in "FULL" size.

● Setting the wide-screen TV to "FULL" mode is also necessary.

● Each screen shows an example when the video material for a wide-screen is played.

4:3 Letter Box ⌐∿⌐

Select **Letter Box (4:3)** for a conventional size TV set.
Black bands appear at top and bottom of screen (letter-box style).

● Video material not formatted in the pan & scan style is played in the letter-box style.

4:3 Pan Scan ⌐∿⌐

Select **Pan & Scan (4:3)** for a conventional size TV set.
Video material formatted in the pan & scan style is played in that style (the left and right edges are cut off).

5 **Press ▶╱↵.**

To return to the SETUP MENU screen

Press ◀ button.

To finish the setup operation

Press **SETUP** to exit from SETUP MENU screen.

Channel Search Setting

Channel Search is a tuner search and allows a channel to be confirmed. During initial setup, this DVD Recorder will select available TV channels. Yet, if more channels become available in your area, you may need to repeat the Channel Search to update the available channels.

NOTE:

1. While doing Channel Search, it will erase and replace all previously stored channels.

2. Before doing Channel Search, make sure if SOURCE is the same with your setting. (CABLE or ANTENNA)

1 **Press SETUP in the stop mode.**

2 **Press ▲ / ▼ to select "Video Setup" and press ▶/↵.**

3 **Press ▲ / ▼ to select "Channel Search" then press ▶/↵.**

4 **Select "Confirm" to do TV Channel Search or "Cancel" to undo TV Channel Search.**

To return to the SETUP MENU screen
Press ◀ button.

To finish the setup operation
Press **SETUP** to exit from SETUP MENU screen.

Add/Del Channels Setting

1 **Press SETUP in the stop mode.**

2 **Press ▲ / ▼ to select "Video Setup" and press ▶/↵.**

3 **Press ▲ / ▼ to select "Add/Del CHs" then press ▶/↵.**

4 **Press ▲ / ▼ to choose the preferred channel.**

5 **Press ▶/↵ to add or delete the selected channel.**

To return to the SETUP MENU screen
Press ◀ button.

To finish the setup operation
Press **SETUP** to exit from SETUP MENU screen.

NOTE:
If you delete a channel, you can use **CH+/CH-** on the remote control to skip the deleted channel.

3 Initial Settings

Cable/Antenna Setting

This function determines how your TV is hooked up, either by Cable or Antenna.

1 **Press SETUP in the stop mode.**

2 **Press ▲ / ▼ to select "Video Setup" and press ▶∕◄┘.**

3 **Press ▲ / ▼ to select "Cable/Antenna" then press ▶∕◄┘.**

4 **Press ▲ / ▼ to select "Cable" or "Antenna".**

5 **Press ▶∕◄┘.**

To return to the SETUP MENU screen

Press ◄ button.

To finish the setup operation

Press **SETUP** to exit from SETUP MENU screen.

VIDEO OUTPUT Setting

Please choose the preferred video output according to the output format.

1 **Press SETUP in the stop mode.**

2 **Press ▲ / ▼ to select "Video Setup" and press ▶∕◄┘.**

3 **Press ▲ / ▼ to select "Video Output" then press ▶∕◄┘.**

4 **Press ▲ / ▼ to select the preferred video output setting.**

5 **Press ▶∕◄┘.**

To return to the SETUP MENU screen

Press ◄ button.

To finish the setup operation

Press **SETUP** to exit from SETUP MENU screen.

NOTE:

If you want to connect this DVD Recorder to Progressive Scan TV, you have to select "Component" or "RGB" in the video output setting.

OUTPUT FORMAT Setting

You can choose "Progressive Scan" or "Interlaced" for output format according to your TV.

1 **Press SETUP in the stop mode.**

2 **Press ▲ / ▼ to select "Video Setup" and press ▶/↵.**

3 **Press ▲ / ▼ to select "Output Format" then press ▶/↵.**

4 **Press ▲ / ▼ to select the preferred output format setting.**

5 **Press ▶/↵.**

To return to the SETUP MENU screen

Press ◀ button.

To finish the setup operation

Press **SETUP** to exit from SETUP MENU screen.

NOTE:
If you want to set output format in "Progressive Scan", first you have to set "Component" or "RGB" in the video output setting.

3-3 Audio Setup

AUDIO OUTPUT Setting [DVD]

This DVD Recorder provides various types of audio output to set and that include 2-channel stereo sound and Dolby Digital 5.1 surround sound.
NOTE: This function only works with the DVD Recorder which provides Dolby Digital 5.1 surround sound.

1 **Press SETUP in the stop mode.**

2 **Press ▲ / ▼ to select "Audio Setup" and press ▶/↵.**

3 **Press ▲ / ▼ to select "Audio Output" and press ▶/↵.**

4 **Press ▲ / ▼ to select a preferred output setting.**

5 **Press ▶/↵.**

NOTE:
- The digital output connectors are used to output the digital audio signal recorded on discs. You can output the digital signal via ether coaxial output jack or optical output jack to an amplifier.
- This function only works on discs with different audio outputs.

To return to the SETUP MENU screen

Press ◀ button.

To finish the setup operation

Press **SETUP** to exit from SETUP MENU screen.

3 Initial Settings

DATE AND TIME Setting

If this DVD Recorder sets the date and time incorrectly, you could set the information manually.

1 Press SETUP in the stop mode.

2 Press ▲/▼ to select "System Info" and press ▶/↵.

3 Press ▲/▼ to select "Date and Time", and then press ▶/↵.

4 Press ◀/▶ to select the preferred item.

Every time you press ▶, you could select the following items in order: hour, minute, second, month, day and year.

5 Press ▲/▼ to adjust the numbers to the exact date and time.

The OSD screen will be as following:
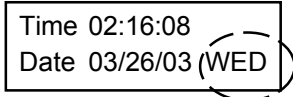
Time 02:16:08
Date 03/26/03 (WED) — It will change automatically according to the setup date.

6 Press ▶/↵ to save and return.

7 Press CLEAR to return without save.

NOTE:
Every time before doing schedule recording, you have to check the date and time setting again to make sure the information of the date and time be correct.

To return to the SETUP MENU screen

Press ◀ button.

To finish the setup operation
Press **SETUP** to exit from SETUP MENU screen.

RATINGS Setting [DVD]

A built-in viewer rating setting enables you to lock the videos that you do not want children to view. For example, if you set it to PG-13 then the player will not play the videos rated R, NC-17 or X unless the correct password is entered.

1 Press SETUP in the stop mode.

2 Press ▲/▼ to select "System Info" and press ▶/↵.

3 Press ▲/▼ to select "Ratings" and press ▶/↵.

The password input dialog box will appear on the screen.

4 Press ▲/▼ to choose one level from 1 to 8 and press ▶/↵.

Factory pre-set password : 99999

To return to the SETUP MENU screen

Press ◀ button.

To finish the setup operation
Press **SETUP** to exit from SETUP MENU screen.

For Your Reference:
- You can use the parental control lock ONLY with DVD video discs featured with the parental lock funcion.
- Some discs may not be encoded with specific rating level information though its disc jacket says that is for "adults". For those discs, RATINGS lock will not function.

3 Initial Settings

PASSWORD Setting [DVD]

You can change the password to your DVD by selections.

1 **Press SETUP in the stop mode.**

2 **Press ▲ / ▼ to select "System Info" and press ▶/↵.**

3 **Press ▲ / ▼ to select "Password"and press ▶/↵.**

4 **Enter your old password, and then press ▶/↵.**

5 **Enter your new password, and then press ▶/↵.**

Factory pre-set password: 99999

To return to the SETUP MENU screen

Press ◀ button.

To finish the setup operation

Press **SETUP** to exit from SETUP MENU screen.

FACTORY DEFAULT Setting

You may re-set the previous settings in **System Info** to the default setting.

1 **Press SETUP in the stop mode.**

2 **Press ▲ / ▼ to select "System Info" and press ▶/↵.**

3 **Press ▲ / ▼ to select "Factory Default" and press ▶/↵.**

4 **Select "Confirm" to reset or "Cancel" to back to the current state.**

NOTE:

If you select "Confirm", this DVD Recorder will reset every setup item in the setup menu. When factory default is done, the machine will automatically reboot.

To return to the SETUP MENU screen

Press ◀ button.

To finish the setup operation

Press **SETUP** to exit from SETUP MENU screen.

3 Initial Settings

ANGLE MARK Setting[DVD]

You can choose to display or hide the angle mark "📹" on screen.

1 **Press SETUP in the stop mode.**

2 **Press ▲ / ▼ to select "System Info" and press ▶/↵.**

3 **Press ▲ / ▼ to select "Angle Mark", and then press ▶/↵.**

4 **Press ▲ / ▼ to select "ON" or "OFF" and press ▶/↵.**

To return to the SETUP MENU screen

Press ◀ button.

To finish the setup operation

Press **SETUP** to exit from SETUP MENU screen.

NOTE:

Whether the ANGLE MARK is set to ON or OFF with this setting, when you press the **ANGLE** button, this DVD Recorder will still playback multi-angles that are available on the video discs.

4-1　Before recording

Before recording, please read the following instructions to have a good recording experience.

1. Before schedule recording, check the date and time setting again to make sure the information of the date and time be correct. Please refer to page 25 for further information.

2. Make sure this DVD Recorder connect to outer equipments correctly. Please refer Quick-guide for further information.

3. Make sure to use the correct disc (with free space) for recording. You can only use DVD+R/DVD+RW discs for recording.

Recording Way

To overwrite current recording

1 Highlight the title you want to be overwritten.

2 Press REC, it will take you to the live screen (incoming video).

3 Choose the source you want to record.

4 Press REC again to start recording the new content.

5 Press STOP to stop recording.

NOTE:
● If overwriting current recording, the existing title will be overwritten (will now be lost) with the new content.

Recording Troubleshooting

1 Please check the following if recording doesn't happen.

(1) Correct placement of disc.

(2) Compatible disc formats.

(3) Free recording space on disc.

(4) Please place disc in player again if all fails.

4-2 | Record Setup

Disc Media Setup (Only works a DVD+R or DVD+RW is loaded)

Finalize Setting

1 **Press SETUP in the stop mode.**

2 **Press ▲ / ▼ to select "Disc Media" then press ▶/↵.**

3 **Press ▲ / ▼ to select "Finalize" then press ▶/↵ to confirm to excute the function of finalization.**

4 **Select "Confirm" to finalize or "Cancel" to back to the current state.**

NOTE:
● The finalization function only works once in DVD+R disc.

To return to the SETUP MENU screen

Press ◀ button.

To finish the setup operation

Press **SETUP** to exit from SETUP MENU screen.

Erase Setting

1 **Press SETUP in the stop mode.**

2 **Press ▲ / ▼ to select "Disc Media" then press ▶/↵.**

3 **Press ▲ / ▼ to select "Erase" then press ▶/↵.**

4 **Select "Confirm" to erase or "Cancel" to back to the current state.**

● This function only works for DVD+RW.
● It usually takes 2-3 minutes to clear disc.

NOTE:
● Please confirm that the DVD+RW is in REC already, as this command may not be paused or cancelled, please reconsider the necessity of such acts.
● When Finalization and Erasing begin, all REC functions are locked; please do not turn off the power at this time lest loss of information.

To return to the SETUP MENU screen

Press ◀ button.

To finish the setup operation

Press **SETUP** to exit from SETUP MENU screen.

Record Quality Setting

1 Press SETUP in the stop mode.

2 Press ▲ / ▼ to select "Recording" and press ▶/⏎.

3 Press ▲ / ▼ to select "Record quality" and press ▶/⏎.

4 Press ▲ / ▼ to select the preferred record quality and press ▶/⏎.

HQ(High Quality): to record about one hour
SP(Standard Play): to record about two hours
LP(Long Play): to record about three hours
EP(Extended Play): to record about four hours
SLP(Standard Long Play): to record about six hours

To return to the SETUP MENU screen

Press ◀ button.

To finish the setup operation

Press **SETUP** to exit from SETUP MENU screen.

Auto Chapter Setting

1 Press SETUP in the stop mode.

2 Press ▲ / ▼ to select "Recording" and press ▶/⏎.

3 Press ▲ / ▼ to select "Auto Chapter" and press ▶/⏎.

4 Press ▲ / ▼ to choose ON or OFF the function of Auto Chapter.

If Auto Chapter is on, this DVD Recorder will automatically insert a Chapter marker during recording. You can also manually insert Chapter markers after recording. For details, see section "Editing" on page 34.

To return to the SETUP MENU screen

Press ◀ button.

To finish the setup operation

Press **SETUP** to exit from SETUP MENU screen.

4 Recording Functions

Schedule Setup Setting

1 **Press SETUP in the stop mode.**

2 **Press ▲ / ▼ to select "Schedule" then press ▶/↵.**

This DVD Recorder provides with up to 8 entires for schedule recording.

3 **Press ▲ / ▼ to select one entry to enter your information and press▶/↵ .**

4 **Press ▲ / ▼ or number buttons to choose your freq date.**

Example: If you want to record a TV sport show every Friday night; then choose "Weekly Fri".

5 **Press ▶ button to choose "start time".**

6 **Press ▲ / ▼ to choose your start time.**

7 **Press ▶ button to choose "Duration".**

8 **Press ▲ / ▼ to choose your duration.**

9 **Press ▶ button to choose "source" you want to record.**

10 **Press ▲ / ▼ or number buttons to choose your source.**

If you choose to record from TV channel, enter the TV channel number by pressing number buttons.

11 **Press ▶ button to choose the "quality" you want your recording to occur.**

12 **Press ▲ / ▼ to choose your recording quality.**

13 **Press ▶ button to choose "ON/OFF" to decide whether you want to do the schedule recording or not.**

14 **Press ▲ / ▼ to confirm to do the schedule recording or not do the schedule recording.**

Example: If you have set this DVD Recorder to record a TV program every Friday night; yet you don't want to do the schedule recording this Friday. You could choose "Off" in schedule recording setup setting, then this DVD Recorder won't do the schedule recording this Friday. This DVD Recorder only do the schedule recording until you choose "On" in schedule recording setup setting.

15 **Press ▶/↵ button to store your schedule setting if all the information is correct.**

Check your schedule setting. If something is incorrect, press ▶ button to choose the item for correction.

Important:

After finishing the schedule setting, a warning message "switch off for timer recording" will show on the screen. You have to press the **POWER** on the remote control to power stand-by mode. Only by doing this, the schedule recording setup has completed.

NOTE:
● Make sure Date and Time of this DVD Recorder be the same as real time.If not, check SYSTEM INFO setup menu to correct it.
● While schedule recording, make sure POWER of this DVD Recorder always on.
● Before schedule recording, remember to put a recordable DVD+RW or DVD+R (with free space) into this DVD Recorder. If not, you can't do any recording even though schedule recording has setup.

To return to the SETUP MENU screen

Press ◀ button.

To finish the setup operation

Press **SETUP** to exit from SETUP MENU screen.

4-3 Schedule Recording

You can use this DVD Recorder to record from external source or TV programs.

To Record From External Source

Preparations:
1. Please connect this DVD Recorder to your TV, and connect outer equipments to this DVD Recorder. (For details, please refer to Quick-guide.)
2. Remember to use an unfinalized and recordable DVD+RW or DVD+R.

1 Turn on POWER of this DVD Recorder and outer equipments.

2 Press EJECT to open the disc tray.

3 Place a recordable DVD+RW or DVD+R onto the disc tray.

Hold the disc without touching its surface, position it with the printed title facing up, align it with the guides, and place it in its proper position.

4 Press EJECT again to close the disc tray.

NOTE:
If you use an unused DVD+RW or DVD+R, the first reading will take about one minute. If this DVD Recorder reads a new DVD disc, the disc will be formatted automatically and then shows one empty title with 100% free disc space. If this DVD Recorder reads a used DVD disc, a Title menu will shows the available title for play and available space left for recording.

5 Press DVD/REC on the remote control to switch to REC mode.

NOTE:
DVD/REC is to toggle between REC mode and DVD mode. You could process the recording only under REC mode. "REC" mode means that the incoming AV signal is passed through the unit to the TV that is connected to the AV outputs of the unit.

6 Press SOURCE on the remote control to toggle different external A/V input source.

NOTE: Press SOURCE repeatedly to cycle through various A/V input.

7 Press REC on the remote control to start to record.

"REC" will appear on the right corner of the TV screen.

8 Press STOP on the remote control to stop recording.

"WAIT" will appear on the right corner of the TV screen. Wait until "LIVE" appear on the right corner of the TV screen. "LIVE" showing on the TV screen means recording has completed.

9 Press DVD/REC on the remote control to switch to DVD mode.

Information about the recordings will show on the TV screen.

10 Press ▲ / ▼ to choose the recordings just recorded.

11 Press ▶/⏎ to playback the preferred recordings.

It could show three title boxes on the TV screen at one time. If there are more than three title boxes, press ▼ to next title box.

To stop recording
Press **PAUSE**.

To resume recording
Press ▶/⏎.

You could use this DVD Recorder to record TV programs with a DVD+RW or DVD+R.

To Record TV Programs

Preparations:
1. Please connect this DVD Recorder to your TV.
2. Then connect Cable TV signal or Antenna to the ANTENNA IN jack on the back of this DVD Recorder. (For details, please refer to Quick-guide.)
3. Remember to use an unfinalized and recordable DVD+RW or DVD+R.

1 **Turn on POWER of this DVD Recorder and your TV.**

2 **Press EJECT to open the disc tray.**

3 **Place a recordable DVD+RW or DVD+R onto the disc tray.**

Hold the disc without touching its surface, position it with the printed title facing up, align it with the guides, and place it in its proper position.

4 **Press EJECT again to close the disc tray.**

If the disc is empty and has no record contents, "100% free" will show on the TV.
NOTE:
If you use an unused DVD+RW or DVD+R, the first reading will take about one minute.

5 **Press DVD/REC on the remote control to switch to REC mode.**

6 **Press SOURCE on the remote control to see TV channels through this DVD Recorder.**

7 **Press CHANNEL +/- or the Number buttons to select the channel you wish to record.**

NOTE: Press AUDIO on the remote control to select TV 2nd language only if the selected program offers 2nd language. (DUAL for PAL TV and SAP for NTSC TV.)

8 **Press REC on the remote control to start to record the selected channel.**

"REC" will appear on the right corner of the TV screen.

9 **Press STOP on the remote control to stop recording.**

"WAIT" will appear on the right corner of the TV screen. Wait until "LIVE" appear on the right corner of the TV screen. "LIVE" showing on the TV screen means recording has completed.

10 **Press DVD/REC on the remote control to switch to DVD mode.**

11 **Press ▲ / ▼ to choose the recordings just recorded.**

12 **Press ▶/↵ to playback the preferred recordings.**

It could show three title boxes on the TV screen at one time. If there are more than three title boxes, press ▼ to next title box.

4 Recording Functions

4-4 Editing

This DVD Recorder provides two ways to edit a title. One is to edit a title while the title is playing, the other is to edit a title while the title is not playing.

To Edit a Title While The Title is Playing

You have five options to edit a title: Insert chapter, Remove chapter, Hide chapter, Show chapter and New Picture.

NOTE:
- Chapters are markers inside a title and you can jump from chapter to chapter within the title by pressing ▶▶│ or │◀◀ button.
- Press **CM SKIP** (commercial skip) button on the remote control to skip for 30 seconds during playback mode.

Insert chapter

1 **Select one title to play, and press ▶／◄┘ to start the playback.**

2 **Press EDIT, the EDIT menu will show on the screen.**

3 **Press ▲ / ▼ to select "Insert chapter". Once you are at the point where you would like insert a new chapter, press ▶／◄┘.**

NOTE:
- By pressing **INFO.** button, it shows the current title, chapter number and elapsed time on the screen.

Remove chapter

1 **Select one title to play, and press ▶／◄┘ to start the playback.**

2 **Press EDIT, the EDIT menu will show on the screen.**

3 **Press ▲ / ▼ to select "Remove chapter". Once you are at the point where you would like remove the chapter, press ▶／◄┘.**

NOTE:
- You have to insert a chapter into a title first if the beginning and end of the removed chapter hasn't been setup.

Hide chapter

You could use this function to hide chapter(commericals).

1 **Select one title to play, and press ▶／◄┘ to start the playback.**

2 **Press EDIT, the EDIT menu will show on the screen.**

3 **Press ▲ / ▼ to select "Hide chapter". Once you are at the point where you would like to hide the chapter, press ▶／◄┘.**

While this chapter is being played back, "Hidden" will show on the screen.

NOTE:
- You have to insert a chapter into a title first and then hide it; if the beginning and end of the hide chapter hasn't been setup.
- Once a chapter is hidden, it will not show up during normal playback.
- To show up "Hidden chapter", refer to "PLAY full title" function. For details, please refer to next page.

Show chapter

Make sure you have set up the function "Play full title". For details, please refer to next page.

1 **Select one title to play, and press ▶／◄┘ to start the playback.**

2 **Press EDIT, the EDIT menu will show on the screen.**

3 **Press ▲ / ▼ to select "Show chapter". Once you see "hidden" on the screen, press ▶／◄┘.**

New picture

You could create a new thumbnail or change the thumbnail for the selected title.

1 **Press ▲ / ▼ to select "New picture".**

2 **Once you are at the point where you prefer to be the thumbnail, press ▶／◄┘.**

To Edit a Title While The Title is not Playing

You have three options to edit a title: Erase Title, Play full title, Make Compatible. (If using a DVD+RW disc)
You have two options to edit a title: Play full title and Finalize. (If using a DVD+R disc)

Erase Title

1 Select one title from the title menu .

2 Press EDIT, the EDIT menu will show on the screen.

3 Press ▲ / ▼ to select "Erase Title".

4 Press ▶/⏎ to erase the active title from the DVD disc.

Play full title

1 Select one title from the title menu.

2 Press EDIT, the EDIT menu will show on the screen.

3 Press ▲ / ▼ to select "Play full title".

4 Press ▶/⏎ the selected title will play the entire title (including hidden chapters) from the disc.

Make Compatible

1 Select one title from the title menu.

2 Press EDIT, the EDIT menu will show on the screen.

3 Press ▲ / ▼ to select "Make Compatible".

4 Press ▶/⏎.

If you didn't make your DVD+RW compatible, you can only playback it in this DVD Recorder.

Finalize

NOTE: This function only works in DVD+R disc.

1 Select one title from the title menu.

2 Press EDIT, the EDIT menu will show on the screen.

3 Press ▲ / ▼ to select "Finalize".

4 Press ▶/⏎.

After closing a DVD+R, you can't record or edit the disc.

5-1 Troubleshooting

Before requesting service for the DVD Recorder, check the chart below for a possible cause of the problem you are experiencing. Some simple checkups or a minor adjustment on your part may eliminate the problem and restore proper operation.

SYMPTOM (COMMON)	REMEDY
No power.	• Insert the power plug securely into the power outlet. • Check if the ON/OFF button on the front of the player is set to on. • Check if no power at the AC outlet by plugging in another appliance for a test.
The player does not start playback when PLAY is pressed.	• Condensation has formed: wait about 1 to 2 hours to allow the player to dry out. • This player cannot play discs other than DVDs and audio CDs. • Check if the disc is defective by trying another disc. • Check the region (local) code.
The player starts playback but stops immediately.	• The disc may be dirty and may require cleaning. • Ensure that the disc is installed with the label side up.
No picture.	• Ensure that the equipment is connected properly. • Ensure that the input setting for the TV is "Video". • Check if the TV is on. • Select the same channel and source on the TV as on the player.
No sound.	• Ensure that the equipment is connected properly. • If using a HiFi amplifier, try another sound source. • Check the Audio Output Setting menu to make sure that Analog Output is selected.
Distorted sound.	• Ensure that the input settings for the TV and stereo system are proper. • No sound is heard during still picture (pause) or slow-motion playback.
No audio at Digital Output.	• Check the digital connections. • Check the settings menu to make sure that the digital output is set to on. • Check if the audio format of the selected audio language matches your receiver capabilities.
Distorted picture.	• Check the disc for fingerprints and clean with a soft cloth, wiping from center to edge. • Sometimes a small amount of picture distortion may appear. This is not a malfunction.
Completely distorted picture or no color in picture.	• The disc format is not according to the TV-set used (PAL/NTSC).
Picture is distorted during rapid advance or rapid reverse.	• The picture will be somewhat distorted at times: this is normal.
No rapid advance (or rapid reverse) playback.	• Some discs may have sections which prohibit rapid advance (or rapid reverse).
No 4:3 (16:9) picture.	• Choose the correct setup "Aspect Ratio" item which matches the TV set used.
No operations perform with the remote control.	• Check the batteries are installed with the correct polarities (+ and –). • The batteries are depleted: replace them with new ones. • Point the remote control unit at the remote control signal sensor and operate. • Operate the remote control unit at a distance of not more than 7 meters from the remote control signal sensor. • Remove the obstacles between the remote control unit and remote control signal sensor.

SYMPTOM [DVD]	REMEDY
PLAY does not start playback even when title is selected.	• This may be a result of the parental lock function that has been set. Confirm the "PARENTAL" setup.
Audio soundtrack and/or subtitle language is not the one selected at the initial settings.	• If the audio soundtrack and/or subtitle language does not exist on the disc, the language selected at the initial settings will not be seen/heard.
No subtitles.	• Subtitles appear only with discs that contain them. • Subtitles are hidden from the TV screen. Press SUBTITLE to display the subtitles.
Alternative audio soundtrack (or subtitle) languages cannot be selected.	• An alternative language can not be selected may result of no more than one language available.
Angle cannot change.	• This function depends on software availability. Even if a disc has a number from angles recorded, these angles may be recorded for specific scenes only.
No sound when connecting to 5.1 Channel speaker	• Check if the disc supports 5.1 Channel. • Check if the speaker is properly connected. • Check if the audio output setting is right.

SYMPTOM [Recording]	REMEDY
No key operation (by the DVD Recorder and/ or the remote control) is effective.	• Turn the unit off and then back to on. Alternatively, turn off the unit, disconnect the AC power cord and then re-connect it. (The player may not be operating properly due to lightning, static electricity or some other external factor.)
No picture and sound (for recorded disc)	• Check if this DVD Recorder and outer equipments are properly connected. • Check if the schedule recording setting is correct. • Check if using the correct recordable disc.(DVD+RW/DVD+R) • Check if power set to stand-by mode while using schedule recording. • Check if the disc has been closed. (only for DVD+R disc)
Distorted picture or no image	• Check if the TV system setting is correct. • Cheak If you set output format in "Progressive Scan", then you have to set "Component" or "RGB" in the video output setting. The acutual output format must match to the output format setting.
OSD setting doesn't be excuted	• Some setting must be stored by pressing left button. Recheck it.
Wrong time	• Reset time.

5 For Your Reference

36

Handling Precautions

- Hold the disc by the edges so the surface will not be soiled with fingerprints. (A)
Fingerprints, dirt and scratches can cause skipping and distortion.
- Do not write on the label side with a ball-point pen or other writing utensils.
- Do not use record cleaning sprays, benzine, thinner, static electricity prevention liquids or any other solvent.
- Be careful not to drop or bend the disc.
- Do not install more than 1 disc on the disc tray.
- Do not try to close the disc tray when the disc is not installed properly. (B)
- Be sure to store the disc in its exclusive case when not in use.

If the surface is soiled (C)

Wipe gently with a soft, damp (water only) cloth.
When wiping discs, always move the cloth from the center hole toward the outer edge.
(If you wipe the discs using a circular motion, circular scratches are likely to occur, which will cause noise.)

If the disc is brought from a cold to a warm environment, moisture may form on the disc

Wipe this moisture off with a soft, dry, lint-free cloth before using the disc.

Improper disc storage

You can damage discs if you store them in the following places:
- Areas exposed to direct sunlight
- Humid or dusty areas
- Areas directly exposed to a heat outlet or heating appliance

Playable disc format

- DVD, DVD+RW, DVD+R, DVD-RW, DVD-R, VCD, SVCD, CD-DA, Mixed CD-DA, MP3, WMA Audio CD, JPEG file disc and Kodak Picture Disc.

Recordable disc format

- DVD+RW (Application Program)
- DVD+R

Maintenance

- Be sure to turn the unit off and disconnect the AC power cord before maintenancing the unit.
- Wipe this unit with a dry soft cloth.
If the surfaces are extremely dirty, wipe clean with a cloth which has been dipped in a weak soap-and-water solution and wrung out thoroughly, and then wipe again with a dry cloth.
- Never use alcohol, benzine, thinner, cleaning fluid or other chemicals. And do not use compressed air to remove dust.
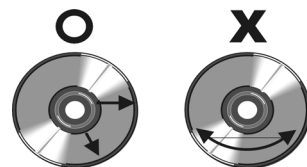
(A)

(B)

Disc tray ✕ Disc

(C)

O ✕

5 For Your Reference
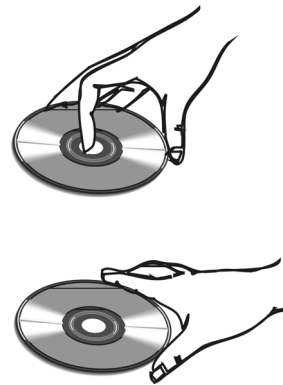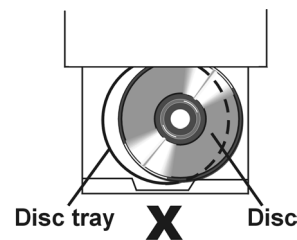
Angle

Recorded onto some DVD discs are scenes which have been simultaneously shot from a number of different angles (the same scene is shot from the front, from the left side, from the right side, etc.). With such discs, the ANGLE button can be used to view the scene from different angles.

Chapter Number

These numbers are recorded on DVD discs. A title is subdivided into many sections, each of which is numbered, and specific parts of video presentations can be searched quickly using these numbers.

DVD

These refer to a high-density optical disc on which high-quality pictures and sound have been recorded by means of digital signals. Incorporating a new video compression technology (MPEG II) and high-density recording technology, DVD enables aesthetically pleasing full-motion video to be recorded over long periods of time (for instance, a whole movie can be recorded).

DVD has a structure consisting of two 0.6 mm thin discs which are adhered to each other. Since the thinner the disc, the higher the density at which the information can be recorded, a DVD disc has a greater capacity than a single 1.2 mm thick disc. Since the two thin discs are adhered to each other, there is the potential to achieve double-sided play sometime in the future for even longer duration play.

DVD+R

This means DVD+Recordable. These Discs can be recorded and finalized only once.

DVD+RW

This means DVD+ReWritable. These Discs can be recorded on repeatedly.

Subtitles

These are the printed lines appearing at the bottom of the screen which translate or transcribe the dialogue. They are recorded on DVD discs.

Time Digit

This indicates the play time which has elapsed from the start of a disc or a title. It can be used to find a specific scene quickly. (It may not work with some discs.)

Title Number

These numbers are recorded on DVD discs. When a disc contains two or more movies, these movies are numbered as title 1, title 2, etc.

Track Number

These numbers are assigned to the tracks which are recorded on audio CDs. They enable specific tracks to be located quickly.