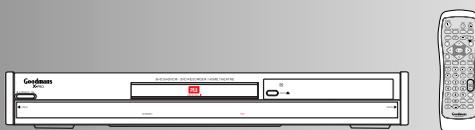


Goodmans



GHC304DVDR

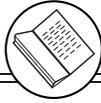
Digital Versatile Disc Recorder
with Remote Control

User Guide



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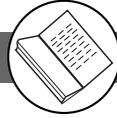
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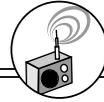
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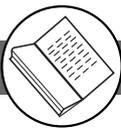


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Important Safeguards

For your own safety read following instructions carefully before attempting to connect this recorder to the mains.

Mains Supply: 230V ~ 50Hz - AC only

This unit is designed to operate on a **230V~50Hz** supply only. Connecting it to other power sources may damage it. Ensure that the supply corresponds to the information on the rating label at the rear of the recorder.

This component system may be fitted with a non-rewireable plug. If it is necessary to change the fuse in a non-rewireable plug the fuse cover must be refitted. If the fuse cover becomes lost or damaged, the plug must not be used until a replacement, available from the manufacturer, is obtained. It is important that the colour of the replacement fuse cover corresponds with the colour marking on the base of the plug.

If the plug needs to be changed because it is not suitable for your socket, or becomes damaged, it should be cut off and an appropriate plug fitted following the wiring instructions below. The plug must then be disposed of safely, as insertion into a 13A socket is likely to cause an electrical hazard.

IMPORTANT

The wires in the mains plug should be connected as shown in the diagram.

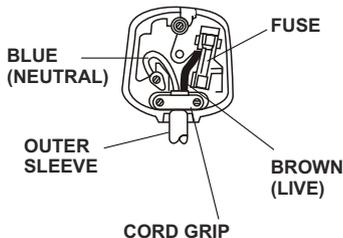
The colours of the wires in the mains lead of the unit may not correspond with the coloured markings identifying the terminals in your plug. Connect them as follows:-

The wire which is coloured blue must be connected to the terminal which is marked with the letter 'N' or coloured black.

The wire which is coloured brown must be connected to the terminal which is marked with the letter 'L' or coloured red.

There should be no connection to the earth terminal of your plug.

If a 13 Amp (BS 1363) Plug is used, a 3 Amp Fuse must be fitted, or if any other type of Plug is used a 3 Amp or 5 Amp Fuse must be fitted, either in the Plug or Adaptor, or on the Distribution Board.



This symbol means that this unit is double insulated. An earth connection is not required.

DANGER

LASER SAFETY

CAUTION : USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.

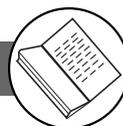
INVISIBLE LASER RADIATION WHEN OPEN AND INTERLOCK FAILED OR DEFEATED. AVOID DIRECT EXPOSURE TO BEAM

This unit employs a laser. Only a qualified service person should remove the cover or attempt to service



CAUTION

To prevent electric shock, disconnect from the mains before removing cover. No user serviceable parts inside. Refer servicing to qualified service personnel.



To achieve the utmost in enjoyment and performance, please read this manually carefully before attempting to operate the unit in order to become familiar with its features, and assure you years of faithful, trouble free performance and listening pleasure.

Important Notes

- Keep instructions the safety and operating instructions should be retained for future reference.
- Avoid installing the unit in locations described below:
 - Exposed to direct sunlight or close to heat radiating appliances such as electric heaters.
 - On top of other stereo equipment that radiate too much heat.
 - Places lacking ventilation or dusty places.
 - Places subject to constant vibration.
 - Humid or moist places.
- Make sure not to obstruct the ventilation opening.
- Operate turning controls and switches as instructed in the manual.
- Before turning on the power for the first time, make certain the power cord is properly installed.
- Store your DVDs in a cool area to avoid damage from heat.

For safety reasons, do not remove any covers or attempt to gain access to the inside of the product. Refer any servicing to qualified personal.

Do not attempt to remove any screws, or open the casing of the unit; there are no user serviceable parts inside, refer all servicing to qualified service personal.



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



DANGEROUS VOLTAGE

Conductor dangerous voltage, that may be of sufficient magnitude to constitute a risk of electric shock to persons is present within this product's enclosure.



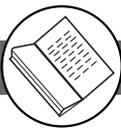
ATTENTION

The owner's manual contains important operating and maintenance instructions, for your safety, it is necessary to refer to the manual.

WARNING :TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS APPLIANCE TO DRIPPING OR SPLASHING.

Note:

This unit will become warm when used for a long period of time. This is normal and does not indicate a problem with the unit.



Important Notes

Hearing is very important to you and to us so please take care when operating this equipment. It is strongly recommended that you follow the listed guidelines in order to prevent possible damage or loss of hearing.

ESTABLISH A SAFE SOUND LEVEL

- Over time your hearing will adapt to continuous loud sounds and will give the impression that the volume has in fact been reduced. What seems normal to you may in fact that be harmful. To guard against this **BEFORE YOUR HEARING ADAPTS** set the volume at a low level.
- Slowly increase the level until you can hear comfortably and clearly and without distortion.
- Damage to your hearing is accumulative and is irreversible..
- Any ringing or discomfort in the ears indicates that the volume is maybe too loud.

Once you have established a comfortable listening level, **DO NOT INCREASE THE SOUND LEVEL FURTHER.**

The following list of typical sound levels may assist you in recognising just how loud you have set the volume level.

DECIBEL Level(dB)	Example
30dB	Quiet library ,soft whisper.
40dB	Living room , fridge freezer bedroom away from traffic.
50dB	Normal conversation, quiet office, light traffic.
60dB	Electric sewing machine.
70dB	Vacuum cleaner, hair dryer, noisy restaurant.

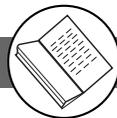
THE FOLLOWING NOISE CAN BE HARMFUL UNDER CONSTANT EXPOSURE

80dB	Average city traffic, alarm clock buzzer at 2 feet, food mixer.
90dB	Motorcycle heavy goods vehicle, petrol lawn mower.
100dB	Pneumatic drill, chair saw, garbage truck, discotheque/night-club.
120dB	Rock band concert, thunderclap fast train passing by.

PERMANENT LOSS OF HEARING

140dB	THRESHOLD OF PAIN GUNSHOT 2 feet away, Jet plane taking off.
-------	--

Important Safety Instructions



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:)



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

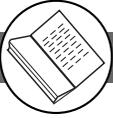
Never make or change connections with the power switched on.

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



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.

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



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°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

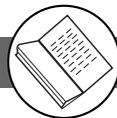
Moisture may form on the lens in the following conditions:

- 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.

About This Manual



Thank you for purchasing this DVD Recorder. We sincerely hope you can enjoy the pleasure of recording and playing back pictures through this quality unit with only certain simple operations to follow. Through this DVD Recorder, you can watch DVDs, play audio CDs, or watch TV shows through external devices. What's more, you can record programs to DVD+R or DVD+RW discs.

This DVD Recorder supports the following Media Formats:

--Playable disc format

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

--Recordable disc format

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

NOTE:

Some discs may encounter problems during playback possibly due to mal production or external damage. If the discs are self-burn, self-copy or are non-original, we can not guarantee that they will be playable.

How to Proceed in This Manual

Using the DVD recorder and its features may be confusing at first. Please follow the order below to help you get through the important stages of getting set up so you can start using your DVD recorder as soon as possible.

1 Check the contents of the package.

Refer to the section of "PACKAGE CONTENTS".

2 Get acquainted with the recorder.

Refer to the sections of "Parts and Controls" in the manual. It will let you get familiar with the parts and buttons on the main unit and remote control as you proceed throughout the manual.

3 Make the necessary connections.

Refer to the section of "CONNECTIONS" in the manual. It will guide you how to make the connections with external audio and video device.

(To continue to the next page)



About This Manual-continued

4 Set the necessary settings from the initial setup menu.

Before you operate the DVD recorder, refer to the section of Chapter 4:Initial Settings in the manual. It will provide on-screen menus with different options to let you select the proper settings corresponding to the system.

5 Record a disc.

You can record your favourite shows from TV, or music and picture from an external audio and video device on both DVD+R and DVD+RW media. Refer to section of Chapter 1-2 Recording in the manual.

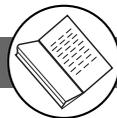
6 Play back a disc.

After making all the connections and menu setups, you can start to play DVD, DVD+R, DVD+RW, DVD-R, DVD-RW, JPEG photo CD, Video CD, MP3, or CD discs with the recorder. Refer to section of Chapter 2-1 : DVD Playback, or Chapter 3-1 : Audio CD Playback.

7 Benefit all the available features.

You can obtain all the benefits from advance features given by this recorder. Refer to section of Chapter 2-4: Other Functions in the manual.

Package Contents



Included in this package should be:

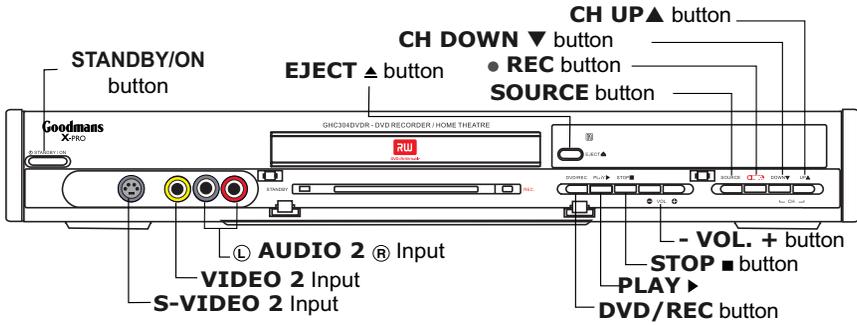
- 1 x GHC304DVDR Recorder
- 1 x Remote control
- 2 x AAA batteries for the remote control
- 1 x RCA AV line cable
- 1 x RF coaxial cable
- 1 x Scart to scart cable
- 1 x Component video cable
- 1 x DVD+RW blank disc
- 1 x User guide
- 1 x Quick reference
- 1 x Guarantee Card
- 1 x Warranty card

Should any of these items be missing, please contact the helpline on 0870-873-0080.

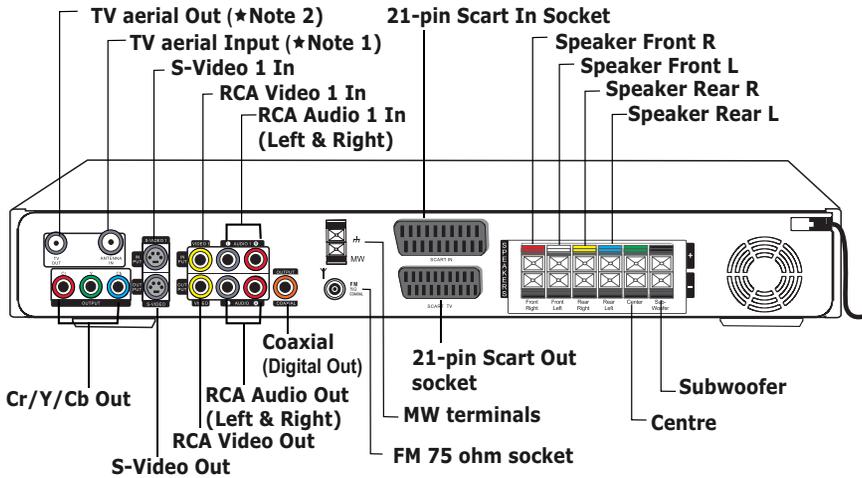


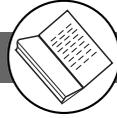
Parts and Controls

Front View

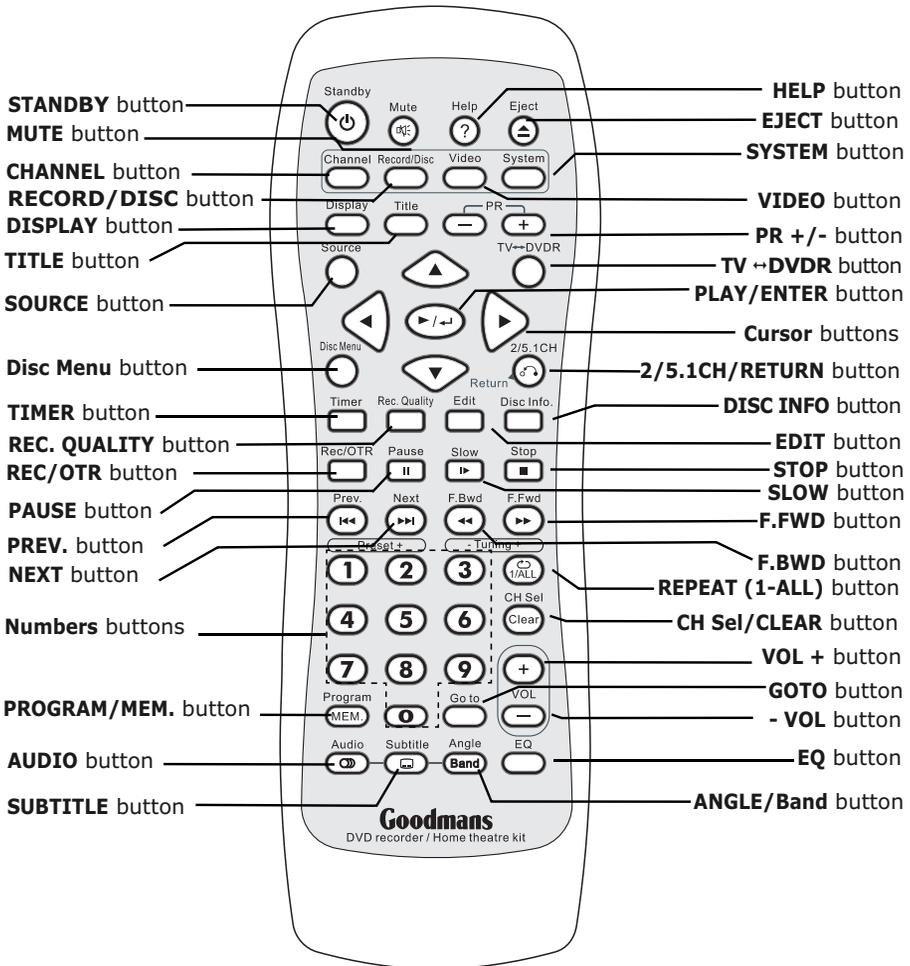


Back View





Remote Control



NOTE

If you encounter some difficulties while operating this recorder, press  (**Help**) button to obtain some useful tips, such as DISC/MEDIA INFO, IMPORTANT NOTES, USEFUL BUTTONS, and TROUBLESHOOTING to guide you through for using this recorder.

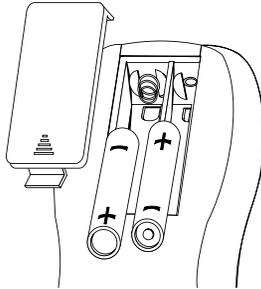


The Remote Control

Installing the batteries

Locate the remote control, and remove the battery cover.
Insert two AAA size batteries into the compartment.

Note: Refer to the diagram inside the battery compartment for correct installation of batteries.



We recommend the use of Alkaline batteries.

Using The Remote Control

To use the remote control, point it at the front of the DVD Recorder, towards the sensor situated to the right of the DVD drawer.

The remote control has a range of up to 6 metres from the DVD Recorder and at an angle of up to 60 degrees.

Do not block the path of the beam from the remote control to the DVD Recorder.

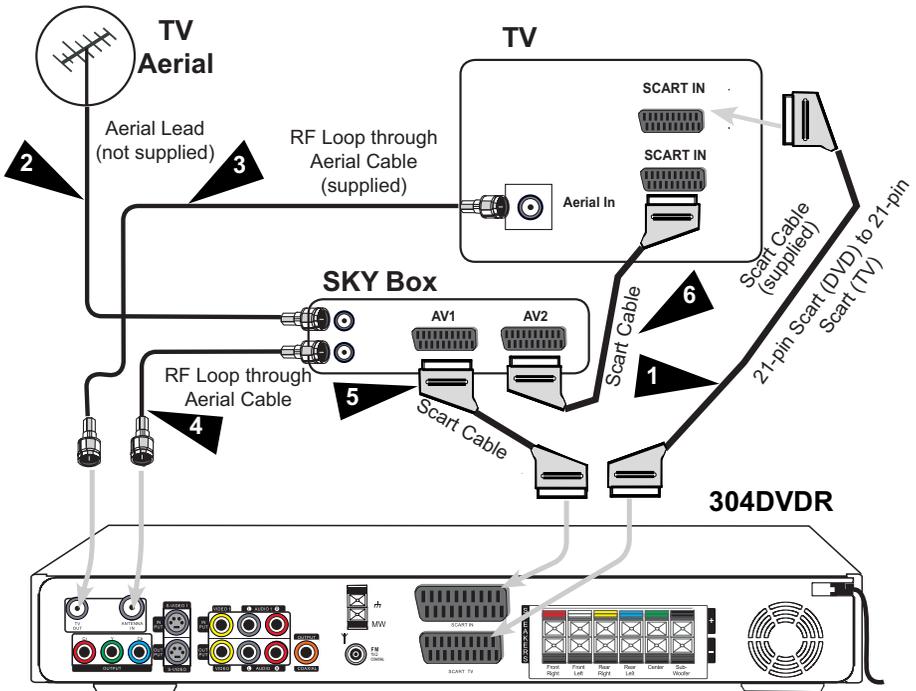
Note: Sunlight or very bright light will reduce the remote control sensitivity.



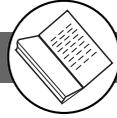
Connecting External Equipment

Connecting to a SKY Box

- Turn the power off to your TV / Recorder before making any connections.



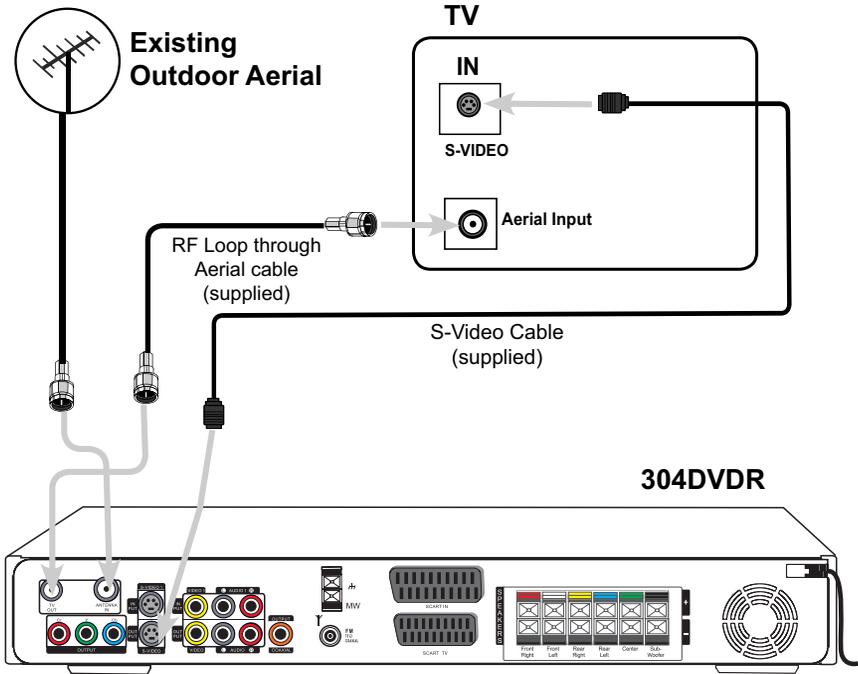
Connecting External Equipment



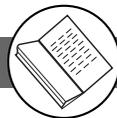
Connecting to a TV Using S-Video Cable

If your TV has a S-Video or S-VHS (super video) Input, connect this DVD Recorder's S-Video socket to your TV's S-Video In socket, this will provide a better viewing result on TV. Make sure to set Video Output Settings to S-Video from VIDEO Setup Screen.

Getting Started

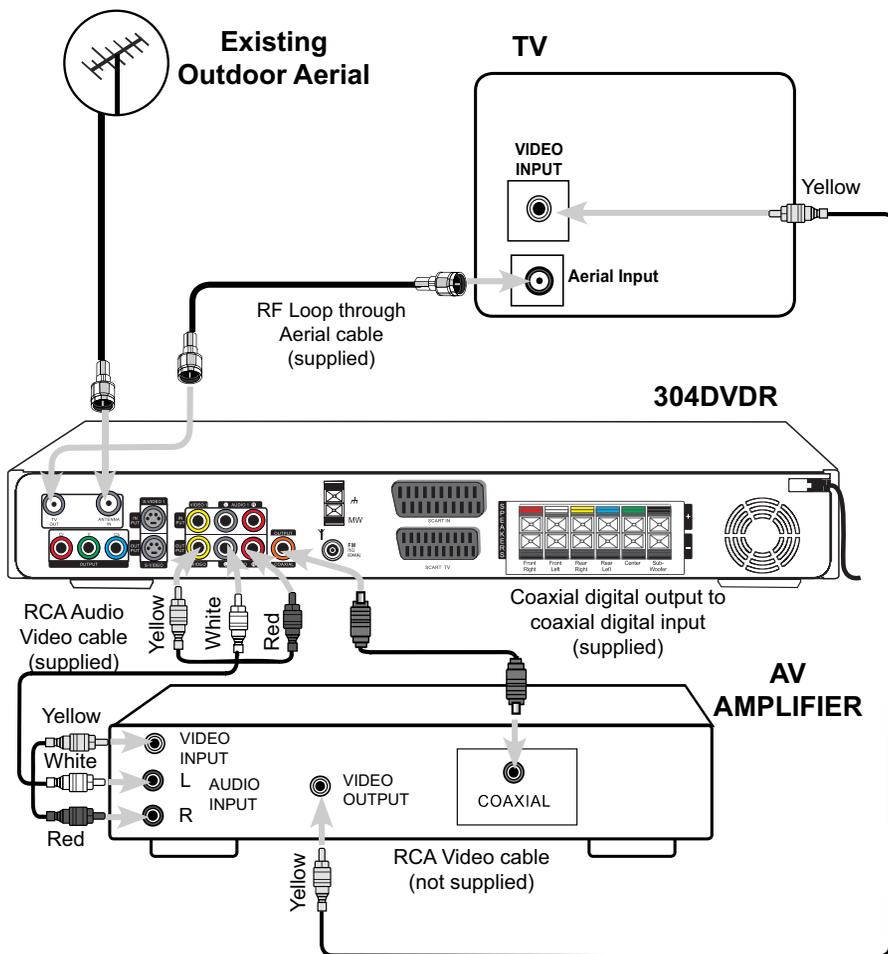


Connecting External Equipment



Connecting to an AV Amplifier

When you're playing a DVD with digital surround sound tracks, you can either connect this player to a compatible digital sound decoder or an AV amplifier (for models that support built-in decoding) if the disc was recorded in Dolby Digital format.

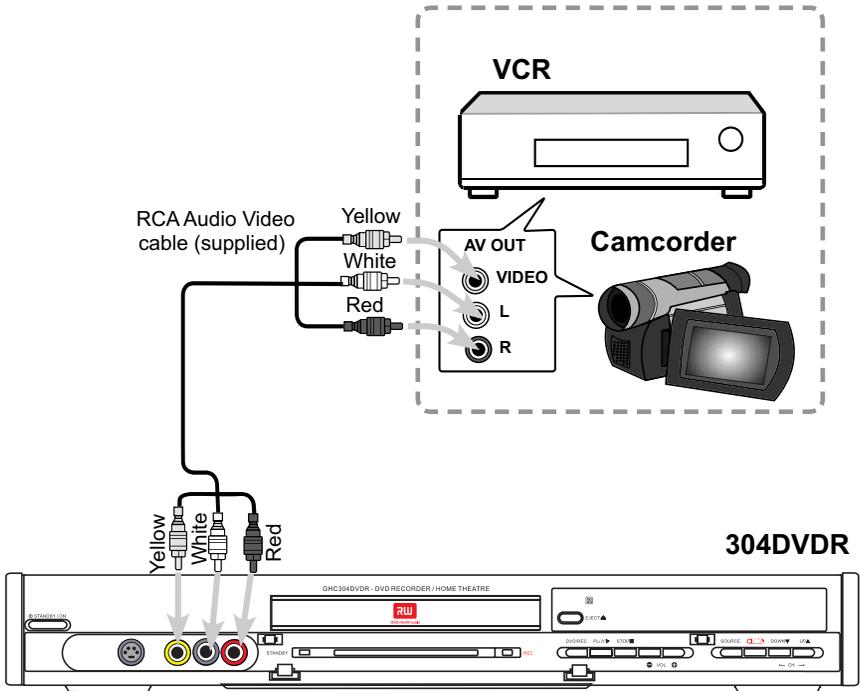




Connecting External Equipment

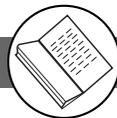
Connecting to Other AV Equipment

Getting Started



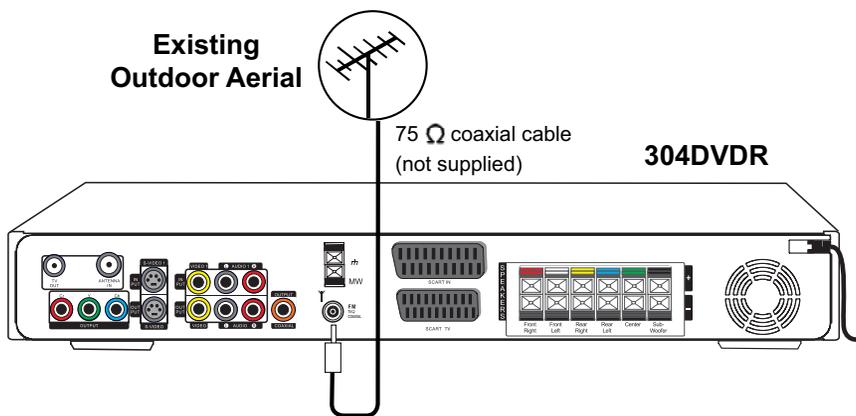
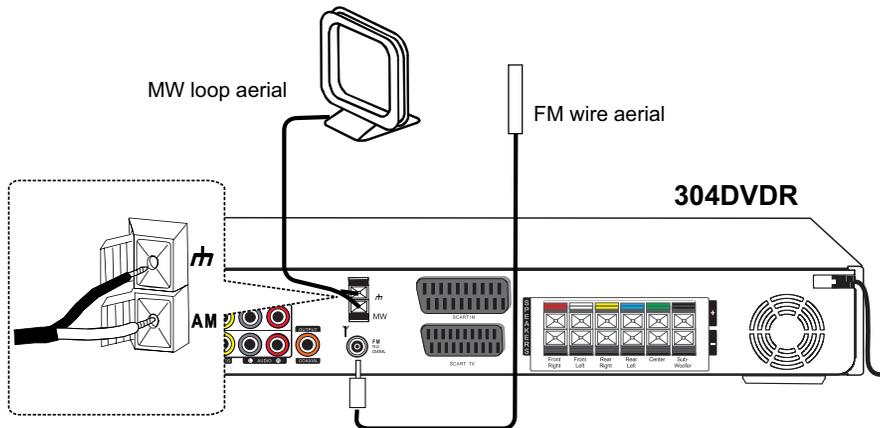
★ You can connect to a VCR or Camcorder, or other AV device using RCA Audio Video cable.

Connecting Antenna



CAUTION:

- To prevent noise pickup do not place the Loop or FM wire aerial on the system or near other appliances.
- Place the aerials away from the unit for better reception. If the MW/FM wire aerial are placed near the AC power lead, it may cause interference in radio.



External FM Reception

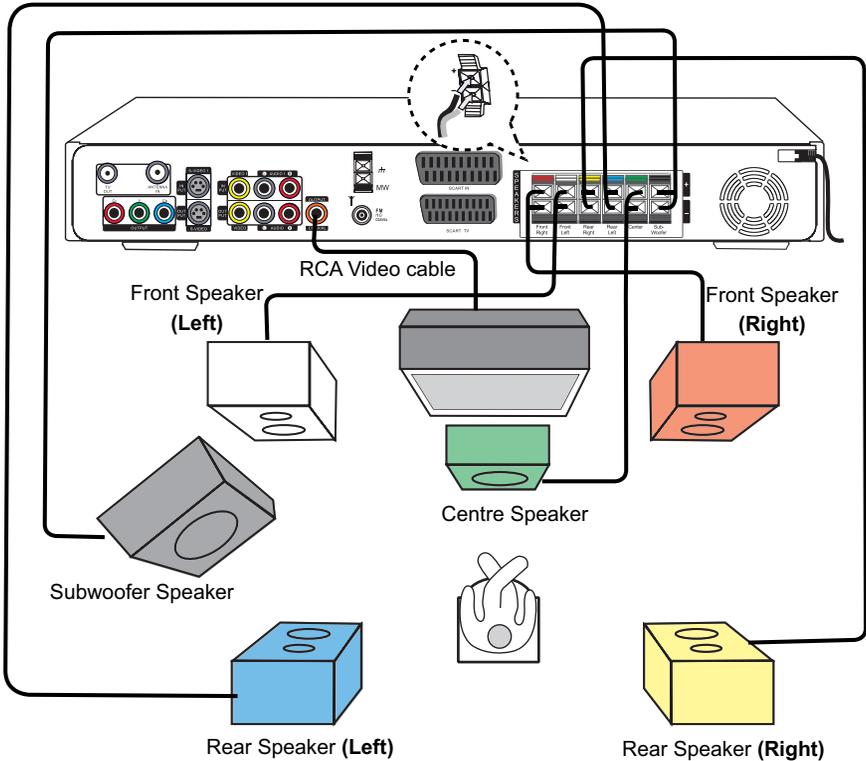
Use 75 coaxial cable (not supplied) to connect the unit to an outdoor FM antenna as shown in the right figure.



Connecting Speakers

CAUTION:

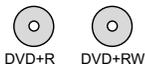
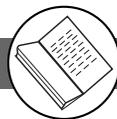
- Be sure to connect with the black wire to the minus (-) terminal and another line to the plus (+) terminal on the speakers and the unit. If the wires are reversed, the sound will be distorted and will lack bass.
- Do not mix the right speaker and left speaker when connecting the speakers to the unit.
- Unplug the AC power cord from the AC power outlet before connecting or disconnecting any component.



For your reference:

- After making all the connections of the system and AC power cord, you can output a test tone to check that all the speakers are connected correctly. For details on outputting a test tone, refer to "Video/Audio Setup" section on page 64.
- To obtain the best dynamic surround sound, locate the speakers at the best listening position with an appropriate distance and height of each speakers.
- Adjust the volume of all of the speakers by using remote control for the best surround sound. For details, please refer to "Sound Effect" section on page 74.
- When you select an item to adjust the volume, the sound cuts off for a moment.

Making Your First Recording



When you first-time operate this recorder, please make the proper connection to TV and aerial (Refer to “Connecting External Equipment” section), then follow on-screen instruction to made the first initial setting. For more details about recording, refer to “Chapter 1 : Recording Functions”. For more details on advanced initial setting, refer to “Chapter 4 : Initial Setting”.

1 Turn on your TV.

2 Press **Standby/On** button on this recorder and remote control.

An on-screen clock time and day setting dialog box appears on the screen.

3 Press / button to select “Time” and “Date”, and press / button to change the variable.

 Make sure the time and date match to your local time and date.

4 Press .

4a Your DVD Recorder will automatically start tuning in all the receivable channels to your TV. This process may take several minutes to be done.

4b A warning message appears when the aerial connection did not make properly.

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

6 Place a recordable DVD+RW or DVD+R onto the disc tray. Label side facing upwards.

 This recorder is only compatible with DVD+R and DVD+RW for recording.

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

 Do not push the disc tray closed.

8 Follow the Onscreen instruction and select “YES” to format your disc.

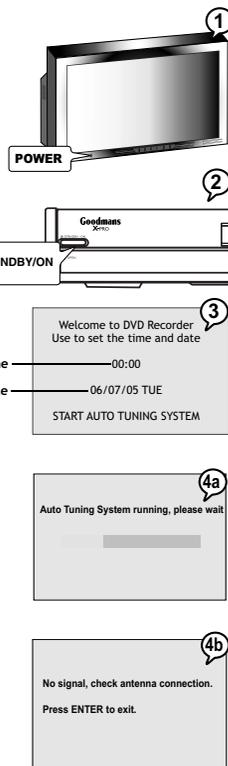
9 Press **TV→DVDR** on the remote control to switch to TV mode.

10 Press **SOURCE** on the remote control to toggle different external A/V input sources.

 Press  **SOURCE** repeatedly to scroll through various A/V input, including: TV, Scart, CVBS1, CVBS2, S-Video1, and S-Video2.

11 Press **REC/OTR** on the remote control to start to record.

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





Quick Disc Playback



DVD



DVD+R



DVD+RW



Audio CD



MP3 CD



Video CD



Kodak
Picture CD

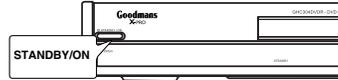


JPEG
Picture CD

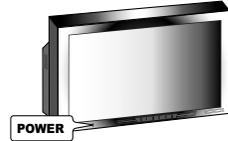


1 Press the **STANDBY/ON** button on the DVD recorder or the **Power** button on the remote control to turn on your DVD Recorder.

The power LED is green on.

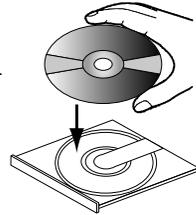


2 Turn on your TV, and switch it to the correct Video In channel.



3 Press **EJECT** to open the disc tray. Place a disc onto the tray.

Hold the disc without touching its surfaces, position it with the printed title side facing up on the disc tray.



4 Press **EJECT** again to close the tray. The DVD Recorder starts playback.

5 If it does not start playback, do the following:

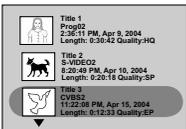
- If playing a DVD/DVD+R/DVD+RW, a disc menu appears. Press **◀/▶/▲/▼** to select the preferred title and press **▶/◀** to start playback.
- If playing an Audio or MP3 CD, Press **▶/◀** to start playback.

6 Press **+ Volume** - buttons on your TV to adjust the volume.

7 To stop playback, press the **STOP** button.



To view other functions available for disc playback, please refer to Chapter 2: DVD.



1-1 Before Recording



This chapter mainly show you how to record DVD discs from external sources using the remote control. Some of the functions can also be done by using OSD Settings shown on the TV. Please refer to Chapter 4-2: RECORD/DISC Setup for details.

- Before Timer recording, check the date and time setting again to make sure the information of the date and time is correct. Please refer to Chapter 4-5 Timer Setup for more details.
- Make sure this Recorder is connected to external equipment correctly. Please refer to “Connecting External Equipment” section for more details.
- This Recorder is only compatible with DVD+R or DVD+RW discs for recording.

POOR RECORDINGS: To prevent ruined recordings always check on the following:

1. Always purchase good quality / named branded discs's. Some cheap / unbranded discs may give rise to skipped / portions of the recordings to be missed.
2. It is essential that the discs are kept clean from finger prints and scratches. Always put the disc back into its holder when not in use.
3. A feature of this DVD recorder is that it will carry on recording over scratches / blemishes or badly made disc's. On play back of the recording this will show as parts of the recording being skipped. This is NOT A FAULT OF THE PLAYER but a disc problem. Replace the disc with a new one if this occurs.

Record Quality Setting

- 1 Press **Rec. Quality** button on the remote control. A Record Quality dialog box appears on the screen.
- 2 Press **Rec. Quality** button repeatedly to cycle through the preferred record quality.



- 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



For details on how to do Record Quality OSD Setting, please refer to Chapter 4-2: RECORD/DISC Setup.

Disc Media Setting

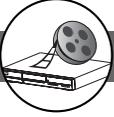
Only works when a DVD+R or DVD+RW is loaded.

Erase/Format Setting

Erasing/formatting DVD discs can only be done through the OSD Setting. Please refer to Chapter 4-2: RECORD/DISC Setup for details.

Finalise Setting

- Before a non-ReWritable DVD disc can be played on another DVD player it has to be finalised. Re-Writable DVD discs do not have to be finalised to play on other DVD players.
- DVD Discs Finalization can only be done through the OSD Setting. Please refer to Chapter 4-2: RECORD/DISC Setup for details.



1-2 Recording

To Record TV Programs While watching

- 1 Turn on 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, on the disc tray.
- 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.
 - If you use an unused DVD+RW or DVD+R, the first reading will take about one minute.
- 5 Press **TV→DVDR** on the remote control to switch to TV mode.

You will see the "LIVE" appears on the screen following by the TV programme.

- 6 Press **PR +/-** or the **Number** buttons to select the TV channel you wish to record.
- 7 Press **RECORD/OTR** on the remote to start recording.

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

One Touch Recording (OTR) Function:

You can set a specified time to stop recording automatically in a period of time.

- Pressing the REC/OTR button repeatedly will increase the record time in 30 minute increments. Depending on the recording quality you selected, each time you press the button, the recording time will cycle through:

REC → +30 min → +60 min
 ↗ +120 min ← +90 min. ↖

To resume to regular recording

Press **RECORD/OTR** button until "REC" appears on the screen.

To stop OTR (One Touch Recording)

Press **STOP** button to stop recording and the set time.

- 8 Press **STOP** on the remote to stop recording.

"WAIT" will appear on the TV screen, and wait until "LIVE" appear on the TV screen. "LIVE" showing on the TV screen means recording has completed. Note: This may take up to 1 minute to complete.

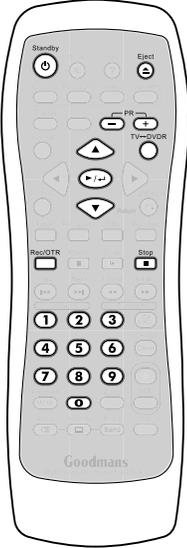
- 9 Press **TV→DVDR** on the remote to switch to DVD mode.

You will see the "DVD" appears on the screen following by the title menu as the illustration at left

- 10 Press **▲/▼** to choose the title you just recorded.

- 11 Press **▶/◀** to playback.

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



1 Recording Functions

Title Menu.





Video Plus+ Recording

- 1 Press (Timer) in the stop mode to display the menus.
- 2 Press to select "Video Plus+" and press . An empty space appears to let you enter the number.
- 3 Input the Video Plus + code number via the remote control, then press . Check your local newspaper or TV programme guide for Video Plus+ code corresponding to the programme you want to record for your area. If you want to correct the number. Press to erase the number or press to re-enter the number. Press (**PLAY/ENTER**) to confirm and save the number.
- 4 Input the Video Plus+ Programme number . You can find the Video Plus+ Programme number next to the Video Plus+ code number in your TV programme guide.
- 5 Press . The programme summary appears. You can move or buttons on the remote control to highlight and change the option for recording, then Press **PLAY/ENTER** button.
- 6 Press again. A programme list with 8 entries information appears. You can move or buttons on the remote control to select each entry for editing, then press **PLAY/ENTER** button.

Note:

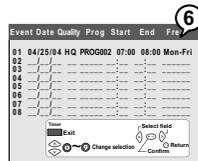
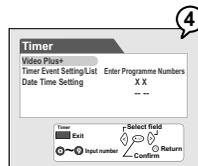
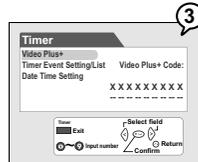
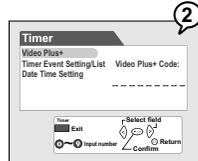
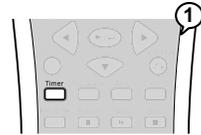
- After finishing the schedule recording, a warning message "Switch unit to Standby and wait for recording" will appear on the screen. You have to press the **POWER** button on the remote control to power standby mode. Only by doing this, the timer recording will be complete.
- While schedule recording, make sure POWER of this DVD Recorder is always on.

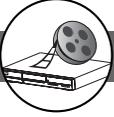
To return to the Setup MENU screen

Press Return button.

To finish the setup operation

Press to exit from Timer setup screen.

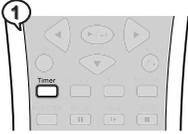




1-2 Recording-continued

Timer Recording

1 Recording Functions



Timer

1 Press **Timer** in the stop mode to display the menus.

2 Press **▼** to select "Programme List" and press **▶/◀**.

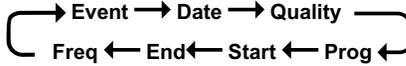
3 Press **▲/▼** to select one entry, then press **▶/◀**.

This DVD Recorder provides up to 8 entries for schedule recording.

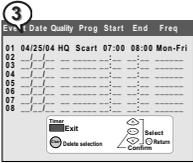
4 Press **◀/▶** to select the item you want to change and press **▲/▼** or number buttons to change the setting, then press **▶/◀**.



Press **▶** to scroll through the following items.



Example:



Event	Date	Quality	Prog	Start	End	Freq
01	04/25/04	HQ	(Start)	07:00	08:00	Mon-Fri

Press **▲/▼** to select the source of your A/V signals. If you choose to record from TV programs, enter the TV channel number by pressing number buttons.

The default setting will be shown on screen for your reference after you select and enter one entry.



5 Press **Power** button to standby mode.

Important:

After finishing the schedule recording, a warning message "Switch unit to Standby and wait for recording" will appear on the screen. You have to press the **POWER** button on the remote control to power standby mode. Only by doing this, the timer recording will be complete.



- Make sure Date and Time of this DVD Recorder be the same as your local time. If not, check Date/Time Setting to correct it. (Refer to Timer Setup section)
- Before schedule recording, remember to put a recordable DVD+RW or DVD+R (with free space) disc into this DVD Recorder. If not, you can't do any recording even though schedule recording has set up.
- While schedule recording, make sure **POWER** of this DVD Recorder is always on.

To return to the Setup MENU screen

Press **Return** button.

To finish the setup operation

Timer

Press **Timer** to exit from Timer setup screen.

1-2 Recording-continued



To Record From External Source

Preparations:

1. Please connect this DVD Recorder to your TV, and connect other equipment to this DVD Recorder. (For details please refer to the Quick Guide.)
2. Remember to use an open and recordable DVD+RW or DVD+R disc.

1 Turn on this DVD Recorder and external equipment.

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 you use an unused DVD+RW or DVD+R disc, the first reading will take about few seconds. If this DVD Recorder reads a new DVD disc, you will be asked to format the disc following the screen. If this DVD Recorder reads a used DVD disc, a Title menu will show the available title to play and available space left for recording.

5 Press TV→DVDR on the remote control to switch to TV mode.

You will see “Live” appear on the TV screen.

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

Press **SOURCE** repeatedly to scroll through various A/V input, including: TV, Scart, CVB51, CVB52, S-Video1, and S-Video2.

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

“REC” will appear on the TV screen.

8 Press STOP on the remote control to stop recording.

“WAIT” will appear on the TV screen, and wait until “LIVE” appear on the TV screen. “LIVE” showing on the TV screen means recording has completed. Note: This may take up to 1 minute to complete.

9 Press TV→DVDR on the remote control to switch to DVD mode.

You will see the “DVD” appears on the screen following by the title menu as the illustration at right.

10 Press ▲ / ▼ to choose the title you just recorded.

11 Press ► / ◀ to playback the preferred recordings.

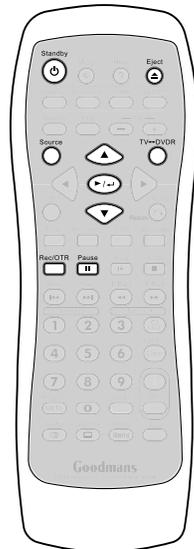
It can show three title boxes on the TV screen at one time. If there are more than three title boxes, press ▼ to next title box.

To stop recording

Press **PAUSE**.

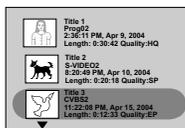
To resume recording

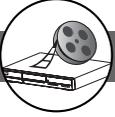
Press **► / ◀**.



1 Recording Functions

Title Menu.





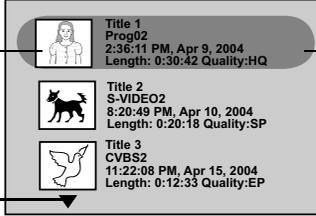
1-3 Editing

In Advance:

Edit function can ONLY work on DVD+RW discs. Once you insert a DVD+RW disc, a title menu appears on the screen. All the video clips you've recorded will be shown on this menu as different titles. You can press ▲ / ▼ to select the title you want to edit.

Thumbnail, usually the first picture of this title. You can replace it with your favourite picture in this video clip. See "New Picture" function.

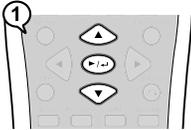
Appears only when more than 3 titles are recorded. Press this button to continue to next page.



Information of the Title, including Title name, start time of recording, title length and recording quality.

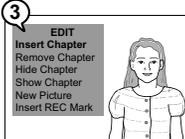
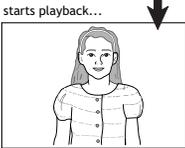
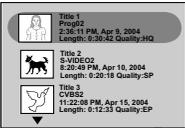
This DVD Recorder provides two ways to edit a title. One is to edit a title while the title is playing, the other is to edit a title while the title is not playing.

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 Insert REC Mark.

Chapters are markers inside a title and you can jump from chapter to chapter within the title by pressing ►►| or |◄◄ button.



Insert chapter



- 1 Press ▲ / ▼ to select one title to play, and press ►/◄ to start the playback.
- 2 Press **EDIT**, and the EDIT menu will be shown on the screen.
- 3 Select "Insert chapter" by pressing ►/◄. Once you are at the point where you would like to insert a new chapter, press ►/◄.



To Edit a Title While the Title is Playing -continued

Remove chapter



1 Press **▲/▼** to select one title to play, and press **▶/◀** to start the playback.

2 Press **EDIT**, and the EDIT menu will be shown on the screen.

3 Press **▼** to select “Remove chapter”. Once you are at the point where you would like to remove the chapter, press **▶/◀**.



You have to insert a chapter into a title first if the beginning and end of the removed chapter hasn't been set up.

Hide chapter



You can use this function to hide chapters.

1 Press **▲/▼** to select one title to play, and press **▶/◀** to start the playback.

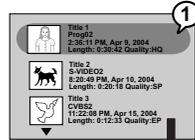
2 Press **EDIT**, and the EDIT menu will be shown on the screen.

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

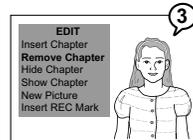
While this chapter is being played back, “Hidden” will be shown on the screen.



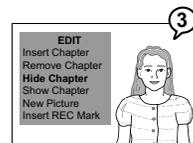
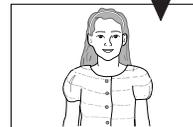
- You have to insert a chapter into a title first and then hide it; if the beginning and end of the hidden chapter hasn't been set up.
- Once a chapter is hidden, it will not show up during normal playback. If you want to see the hidden chapter, you have to select it by chapter number. For details please refer to Chapter 2-2: Direct Selection of Scenes.
- To playback hidden chapters, refer to “Play Full Title” function.
- To recover hidden chapters permanently, refer to “Show Chapter” function.



starts playback...



starts playback...

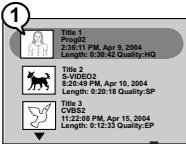




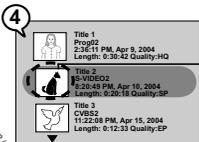
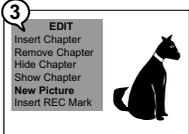
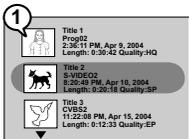
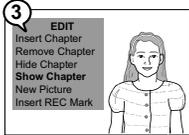
1-3 Editing-continued

To Edit a Title While the Title is Playing -continued

1 Recording Functions



starts playback...



Show chapter DVD+RW

You can recover the hidden chapters permanently using this feature.

1 Press **▲ / ▼** to select the title with hidden chapters, and press **▶ / ◀** to start to playback.

2 Press **EDIT**, the EDIT menu will be shown on the screen.

3 Press **▼** to select "Show chapter".

The hidden marks will be removed and hidden chapters will be recovered.

New picture DVD+RW

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

1 Press **▲ / ▼** to select one title to play, and press **▶ / ◀** to start the playback.

2 Press **EDIT**, and the EDIT menu will be shown on the screen.

3 Press **▼** to select "New picture". Once you are at the point where you prefer to be the thumbnail, press **▶ / ◀**.

4 The Title menu will be shown on the screen.

The thumbnail of this title is changed.

1-3 Editing-continued



To Edit a Title While the Title is Not Playing

You have Four options to edit a title when using a DVD+RW disc ONLY. There are Protect Title, Erase Title, Play full title, Edit Title, and Insert REC Mark.

Protect Title

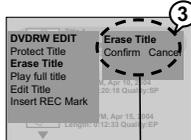
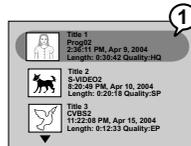
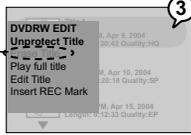
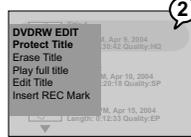
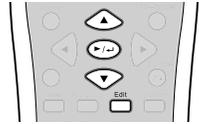
- 1 Press **▲/▼** to select one title from the title menu.
- 2 Press **EDIT**, the EDIT menu will be shown on the screen.
- 3 Select "Protect Title" by pressing **▶/◀**.

By selecting "Protect Title", the "Erase Title" will become disabled. If you wish to erase this title, you should first select "Unprotect Title".

Disabled

Erase Title

- 1 Press **▲/▼** to select one title from the title menu.
- 2 Press **EDIT**, the EDIT menu will be shown on the screen. Press **▼** to select "Erase Title".
- 3 Press **▶/◀** to erase the active title from the DVD disc. A "Erase Title" box appears, asking you if you really want to erase this title. Press "Confirm" to erase.

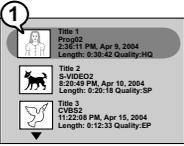


The "Erase Title" box.

1 Recording Functions



3 Editing-continued



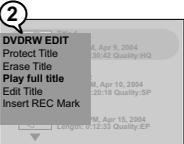
To Edit a Title While the Title is Not Playing -continued

Play full title



DVD+RW

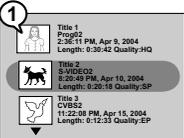
This will allow you to play hidden chapters using this feature, but the hidden marks will not be removed.



- 1 Press **▲ / ▼** to select one title from the title menu.
- 2 Press **EDIT**, the EDIT menu will be shown on the screen. Press **▼** to select "Play full title" and press **▶/◀**.
- 3 It will start playback the entire title (including hidden chapters) from the disc.



"Hidden" will appear on the screen while playing the hidden chapter.

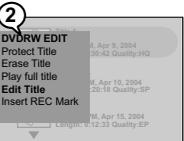


To go back to Title Selection Menu, press **TITLE** button.

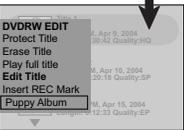
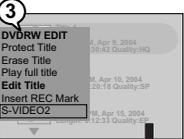
Edit Title



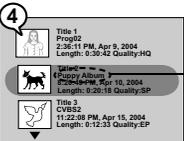
DVD+RW



- 1 Press **▲ / ▼** to select one title from the title menu.
- 2 Press **EDIT**, the EDIT menu will be shown on the screen. Press **▼** to select "Edit Title", and then Press **▶/◀**.
- 3 A "Edit Title" box appears with a default title name shown in this box. Press **◀ / ▶ / ▲ / ▼** to change the words you wish to name for your selected title. Now, press **▶/◀**.
- 4 The Title Menu will be shown on the screen.



You can edit your title in English and numbers only.



The name of the title is changed.

2-1 DVD Playback



Preparations

- Turn on the TV set, and select "Video" as the TV input.
- Turn on the stereo system if this recorder has been connected to a stereo system.

Basic Playback

1 Press **STANDBY** on the remote.

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

3 Place a disc onto the tray. Label side facing upwards.

Hold the disc without touching its surfaces, position it with the printed title side facing up on the disc tray.

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

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.



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

5 Press **◀ / ▶ / ▲ / ▼** to select the item you want to change and press **▶ / ◀**.



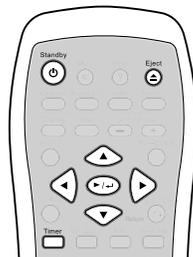
The contents of the Menu may differ according to the DVD discs, mostly including Play Movie, Scene Selection, Languages, Subtitles, and Special Features.

6 Press **◀ / ▶ / ▲ / ▼** to do your preferred setting and press **▶ / ◀**.



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

The recorder now starts playback of the selected item.



2
DVD



2-1 DVD Playback-continued

Stopping Playback and Returning to the Menu Screen

(If a Menu Screen Is Available on The Disc)

Press **Disc 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.



- 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 DVD Recorder.

Stopping Playback

Press **STOP**.

- When pressing **STOP** button once, the disc is paused. You can press to resume playback from the point where you pause the disc.
- To stop playing back completely, press **STOP** button twice.

Rapid Advance (Rapid Reverse)

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

- The speed of advance (▶ x2, ▶ x4, ▶ x8, ▶ x16, ▶ x30 and ▶ x60) or reverse (◀ x2, ◀ x4, ◀ x8, ◀ x16, ◀ x30, and ◀ x60) changes for each press of the **F.FWD** or **F.BWD** button.

To return to normal playback

Press .



2 DVD



2-1 DVD Playback-continued



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.

2
DVD

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 forwardly and backwardly (1/2, 1/4, 1/8, and then 1/2, 1/4, 1/8) each time you press the **SLOW** button.

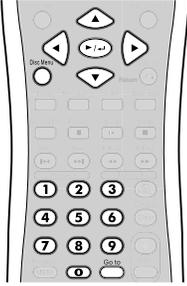


To return to normal playback

Press .



2-2 Direct Selection of Scenes



2 DVD

Selecting Scenes by Title/Chapter/Time Number

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

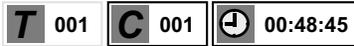
1 Press **Goto** during playback.

A title (T), chapter (C), and Time (⌚) selection box appears.



2 Press **◀/▶** to move the cursor to select Title box, Chapter box, or Time box, then press **↙/↘**.

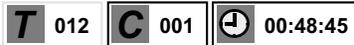
The selected box will be highlighted for you to enter the numbers.



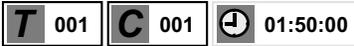
4 Press the number button(s) or **▲/▼** to select the preferred title, chapter, or time.

Example:

●To locate "Chapter 12.", press "0", "1" and "2".



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



5 Press **▶/◀**.

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

To return to normal playback

Press **Goto** until the box disappears.

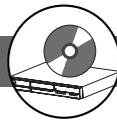


For some discs, **▶/◀** may not start from the specified position even when the steps above have been performed correctly.

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.)

2-3 Repeat Playback



Repeating Viewing

1 Press **1/ALL REPEAT** during playback, and the repeat box is shown on the top left side of the screen.

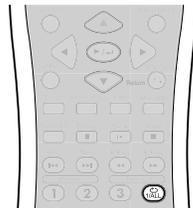
2 Press **1/ALL REPEAT** to toggle the preferred repeat frequency.

1/4 Off: Repeat cancelled

2/4 Chapter: Repeat chapter

3/4 Title: Repeat title

4/4 Disc: Repeat disc



2
DVD

To return to normal playback

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



- 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.

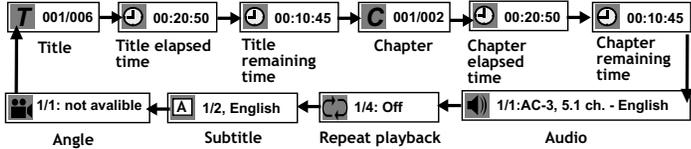


2-4 Other Functions

Displaying the Information of the Scene

Press Display repeatedly during playback.

The Title, Chapter, Audio, Repeat playback, Subtitle, and Angle will be shown on the screen when pressing **Display** repeatedly.



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 AUDIO to toggle the preferred language.

To return to normal playback

Press **AUDIO** until the box disappears.

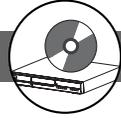
For your reference:

- 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.

Changing Audio Soundtrack Language



2-4 Other Functions-continued



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.
- 2 Press **SUBTITLE** to hide or change subtitles.

The subtitle window box will turn white.

To return to normal playback

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



- 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.



2
DVD

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 "B" 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 **ANGLE** to toggle the preferred viewing angle.

The angle window box will turn white.

To return to normal playback

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



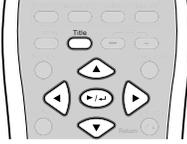
- ANGLE will only function on discs where different angles have been recorded.
- The viewing angles are shown on the player's display and you can select one from them for viewing.





2-4 Other 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**.

2 DVD

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.



The menu details vary depending on discs recorded.



Displaying the Information of the Disc

Press **Disc Info.** during playback.

The disc type, Total recorded title, Protected titles and etc. will be shown on the screen.



Disc Type: +RW
Total Recorded titles: 6 titles
Protected titles: 0

Total recorded time: 33 minutes
HQ: 43 minutes SP: 87 minutes
LP: 130 minutes EP: 174 minutes
SLP: 261 minutes

2-4 Other Functions-continued

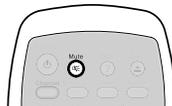


Muting the DVD Recorder

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.

Pause, Next and PREV.

1 Press **PAUSE** to pause slide show.

To resume slide show

Press **Pause** again.

2 Press **NEXT** **▶▶** and Press **◀◀** **PREV.** to view the next or previous picture.

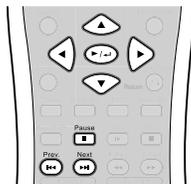
Rotating

1 When the picture is paused, press **◀/▶** / **▲/▼** to rotate the picture by 90 degree.



The Slide Show will stop after using the above functions.

To resume the Slide Show, press **NEXT** button.



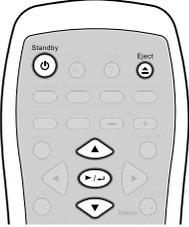


3-1 Audio CD Playback

Preparations

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

Basic Playback

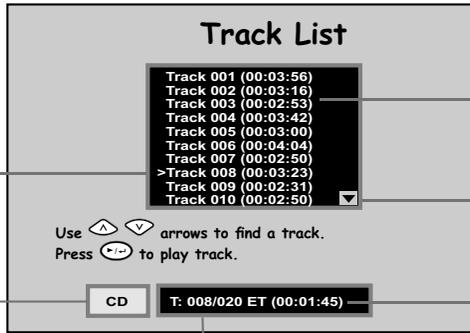


- 1 Press POWER on.**
- 2 Press EJECT to open the disc tray.**
- 3 Place a disc onto the tray.**
Hold the disc without touching its surfaces, position it with the printed title side facing up, align it with the guides, and place it in its proper position.
- 4 Press EJECT to close the tray.**
- 5 Press TV→DVDR to DVDR mode.**

A Track List appears as above screen.



Audio CDs



The currently playing song.

The type of disc you're playing.

The currently playing Track/Total track.

A List of the total songs in your Audio CD, including track numbers and playback time.

Press to continue to the next page.

Elapsed Time of your currently playing song.

- 6 Press ▲ / ▼ to select a specific music, then press ▶ / ◀.**

3-1 Audio CD Playback-continued

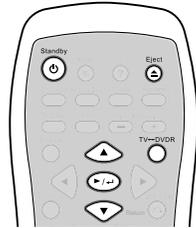


Playing MP3 Music Discs

- 1 Press **POWER** on.
- 2 Press **EJECT** to open the disc tray.
- 3 Place a MP3 disc onto the tray.
- 4 Press **EJECT** to close the disc tray.
- 5 Press **TV→DVDR** to DVDR mode.

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.

A Track List appears as above screen.



A List of the total songs in your Audio CD, including track numbers and name s of the song.

Press to continue to the next page.

The currently playing song.

The currently playing Track/Total track.

Elapsed Time of your currently playing song.

- 6 Press **▲ / ▼** to select a specific MP3 music then 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 playing speed of forward or reverse changes for every press of the **F.FWD** or **F.BWD** button.





3-1 Audio CD Playback-continued

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.

Pause Playback

Press **PAUSE** during playback.

The player will pause playback.

To return to normal playback

Press ►/◀.



Audio CDs

3-1 Audio CD Playback-continued



Programming Audio CD Soundtrack

You can programme music to play back in your favourite order.

1 Press **STOP**.

2 Press **PROGRAM**.

- If you place an Audio CD, it will display the screen as **a**.
- If you place a MP3 disc, it will display the screen as **b**.

a When programming an Audio CD:

Your currently selected track. Press **▲/▼** to add your desired track to the programme list.

Select Play then press **▶/◀** to start playback of the order from the programme list.

Press to clear all the programmed tracks.

CD Playlist

Track 001 (00:03:56)
Track 002 (00:03:16)
Track 003 (00:02:53)
Track 004 (00:03:42)
Track 005 (00:03:00)
Track 006 (00:04:04)
Track 007 (00:02:50)
>Track 008 (00:03:23)
Track 009 (00:02:31) ▼

Track 003
Track 001
Track 007
Track 010
Track 015
Track 008 ▼

Play

Clear All

Use UP/Down arrows to find a track.
Press ENTER to add/remove from playlist.
Use LEFT/RIGHT arrows to select a button or list.

A List of the total songs in your Audio CD, including track numbers and playback time.

Press to continue to the next page.

The Programme List according to your selection of tracks.

3 Audio CDs

b When programming a MP3 disc:

Select Play then press **▶/◀** to start playback of the order from the programme list.

The Programme List according to your selection of tracks.

MP3 Playlist

+DIR/
>001 A 01. Somewhere Over The Rainbow.MP3
002 A 02. Bye Baby.MP3
003 A 03. When You Wish Upon a Star.MP3
004 A 04. What a Wonderful World.MP3
005 A 05. Baby Mine.MP3
006 A 06. Humble Me.MP3
007 A 07. Nighty Night.MP3 ▼

02. Bye Baby.MP3
05. Baby Mine.MP3
07. Nighty Night.MP3
03. When You Wish Upon a Star.MP3
01. Somewhere Over The Rainbow.MP3

Play

Clear All

Use **▲/▼** arrows to find a track.
Press **ENTER** to add/remove from playlist.
Use **◀/▶** arrows to select a button or list.

A List of the total songs in your Audio CD, including track numbers and name s of the song.

Press to clear all the programmed tracks.

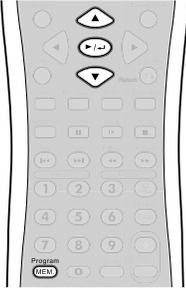
(Continue to the next page)





3-1 Audio CD Playback-continued

Programming Audio CD Soundtrack - continued



3 Press ▲ / ▼ to choose the preferred track and then Press .

- Repeat Step 3 if you have more songs you wish to programme.

4 Press ► to select “Play”, and then Press .

- It will start to playback the order from programme list.



- 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.)

3-1 Audio CD Playback-continued

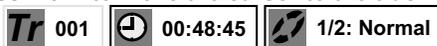


Selecting Music by Track

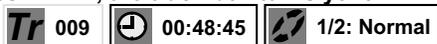
Allows you to locate specific track to playback.

1 Press Goto during playback.

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



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.



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.



3-1 Audio CD Playback-continued

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.**



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 repeatedly.

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 a track or entire disc repeatedly.**

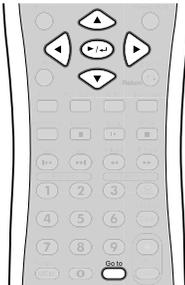
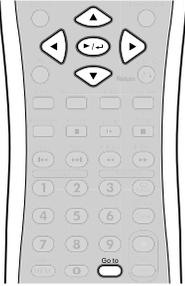


5 Press **▶/◀.**

This DVD Recorder starts playback repeatedly.

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.)



3-1 Audio CD Playback-continued



Displaying the Remaining / Elapsed time of the Playing Disc

1 Press **GoTo** during playback.

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

Press **▶** button to see other information box.



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



4 Press **▲/▼** to select to display other information of the playing disc.

5 Press **▶/◀**.

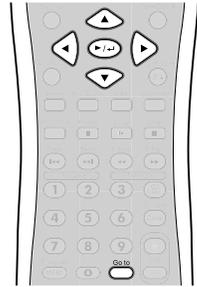
The information you selected will be displayed at the bottom.



RT: Remaining Track
RD: Remaining Disc
ET: Elapsed Track
ED: Elapsed Disc

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.)

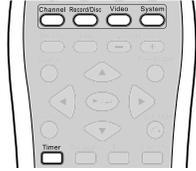




4 Initial Settings

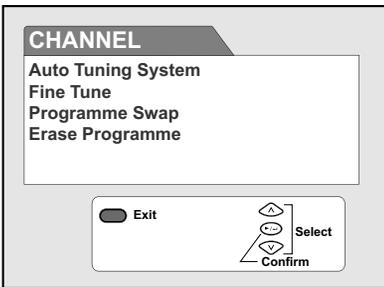
This chapter covers all the OSD settings for your DVD recorder. Some of the settings can also be done by using the remote control.

There are five setup buttons on the remote control to choose from for the setting that best suits your case, including **Channel, Record/Disc, Video, System,** and **Timer.**



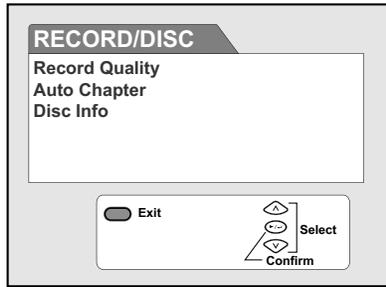
The Following is the Overview of the five OSD Settings:

A. Under **CHANNEL** Setup:

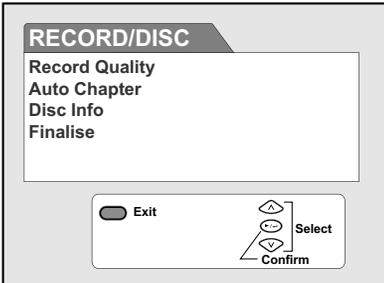


B. Under **RECORD/DISC** Setup:

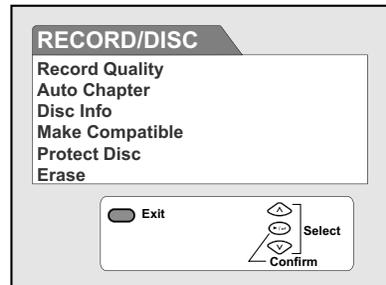
a When No Disc is placed:



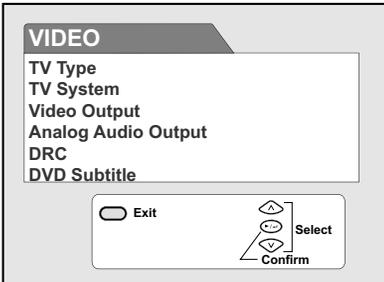
B. **b** When a DVD+R disc is placed:



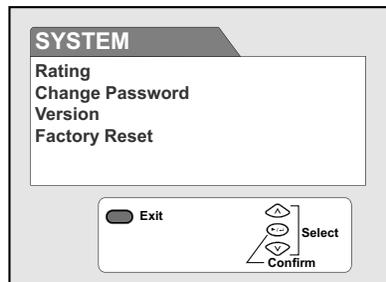
B. **c** When a DVD+RW disc is placed:



C. Under **VIDEO** Setup:



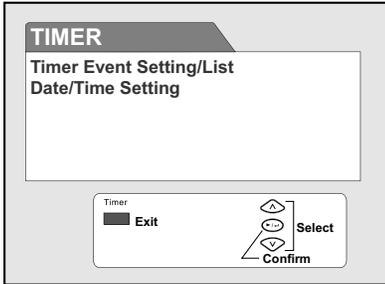
D. Under **SYSTEM** Setup:



4 Initial Settings-continued



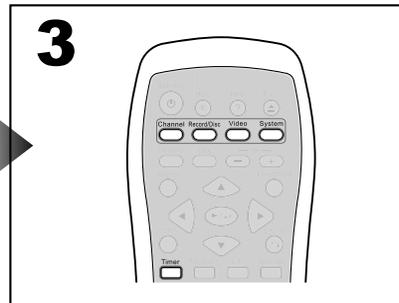
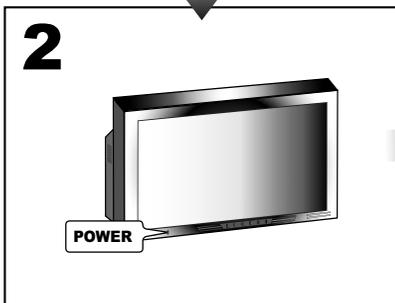
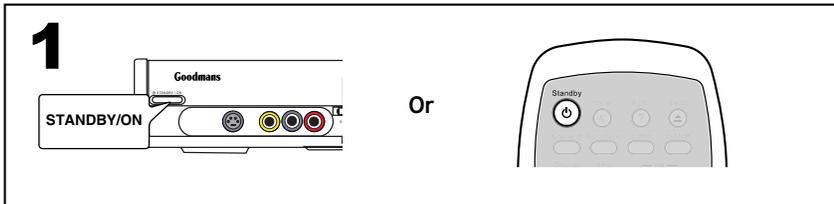
E. Under **TIMER** Setup:



Please refer to the OSD instruction to do the following setting.

In Advance:

1. Press the **STANDBY/ON** button on the DVD Recorder or the **Standby** button on the remote control to turn on your DVD Recorder.
2. Turn on your TV, and switch it to the correct Video In channel.
3. Press **Channel, Record/Disc, Video, System, or Timer** button in the stop mode to display the menus.





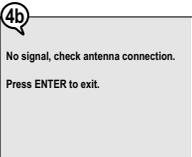
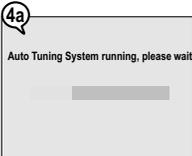
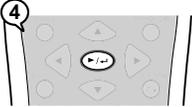
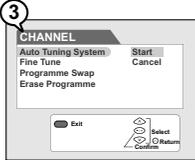
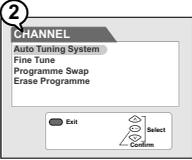
4-1 CHANNEL Setup

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.



1. While doing Channel Search, it will erase and replace all previously stored channels.
2. Before doing Channel Search, make sure your TV connections has been made properly.
-- For Details on how to make TV connection to your DVD Recorder, please refer to the *Quick Guide*.



- 1 Press Channel in the stop mode to display the menus.**
- 2 Press  to select "Auto Tuning System".**
- 3 Press  to select "Start".**
- 4 Press .**

4a Channel Search then starts and your DVD Recorder will tune in all the receivable channels to your TV. This process may take several minutes to be done.

The total available Channel numbers are displayed when Channel Search is finished.

4b A reminder message appears when the aerial connection did not make properly.

To return to the Setup MENU screen

Press Return  button.

To finish the setup operation

Press  to exit from Channel setup screen.

4-1 CHANNEL Setup-continued



Fine Tune Setting

Using Fine Tune to adjust the channel station frequency for a best reception result.

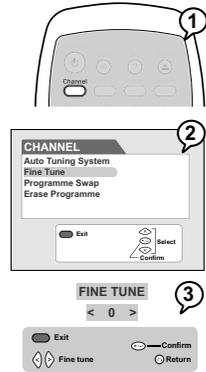
- 1 Press **Channel** in the stop mode to display the menus.
- 2 Press **▲/▼** to select “Fine Tune”, then press **▶/◀**.
- 3 Press **◀/▶** to decrease/increase intervals, then press **▶/◀**.

To return to the Setup MENU screen

Press Return  button.

To finish the setup operation

Press  to exit from Channel setup screen.



Programme Swap Setting

Using Programme Swap to reset the received channel numbers into your favourite order.

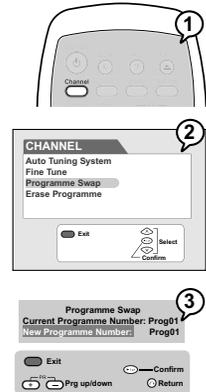
- 1 Press **Channel** in the stop mode to display the menus.
- 2 Press **▲/▼** to select “Programme Swap”, then press **▶/◀**.
- 3 Press  to decrease/increase programme numbers, then **▶/◀** to confirm.

To return to the Setup MENU screen

Press Return  button.

To finish the setup operation

Press  to exit from Channel setup screen.



Erase Programme Setting

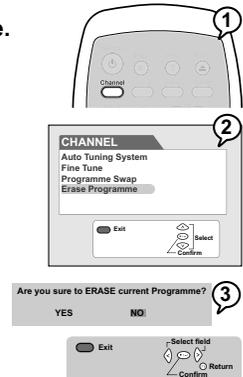
- 1 Press **Channel** at the playing channel you wish to erase.
- 2 Press **▼** to select “Erase Programme”, press **▶/◀**.
- 3 Select “YES” to erase the channel, then press **▶/◀**.

To return to the Setup MENU screen

Press Return  button.

To finish the setup operation

Press  to exit from Channel setup screen.





4-2 RECORD / DISC Setup



The RECORD/DISC Setting OSD will vary when you insert no disc, a DVD+R, or a DVD+RW disc. Please find the Discs you can use on top of each function that best suits your case.



- Once you've inserted a DVD+R or DVD+RW disc, a Title Menu automatically appears on the Screen. For details on how to edit the titles, please refer to Chapter 4-4: Editing.
- When you put the new supplied DVD+RW disc, the disc will be automatically formatted.



Record Quality Setting

- 1 Press **Record/Disc** in the stop mode to display the menus.
- 2 Select "Record Quality" and press .
- 3 Press / to select the preferred record quality and press .



You can also press **Rec. Quality** button on the remote to call out this OSD setting.

Please refer to Chapter 4-2: Record Setup for Details.

HQ (High Quality): to record about one hour

SP (Standard Play): to record about two hours

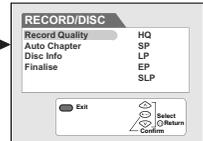
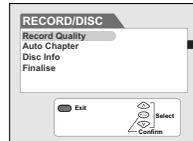
LP (Long Play): to record about three hours

EP (Extended Play): to record about four hours

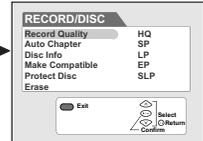
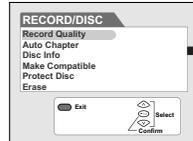
SLP (Standard Long Play): to record about six hours

- The OSD Example in the left is when No Disc is placed. If you insert a DVD+R or DVD+RW disc, the OSD will be shown as follows :

- a When a DVD+R disc is placed:



- b When a DVD+RW disc is placed:



To return to the Setup MENU screen

Press button.

To finish the setup operation

Record/Disc

Press to exit from Record/Disc setup screen.

4-2 RECORD / DISC Setup-continued



Auto Chapter Setting



No Disc



DVD+R



DVD+RW

1 Press **Record/Disc** in the stop mode to display the menus.

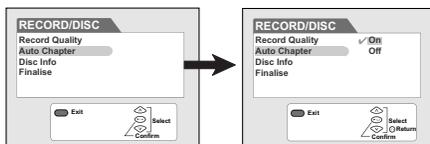
2 Press **▼** to select “Auto Chapter” and press **▶/◀**.

3 Select **ON** by pressing **▶/◀** to initiate the function of Auto Chapter.

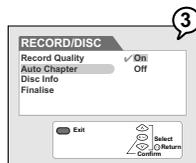
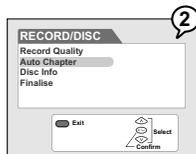
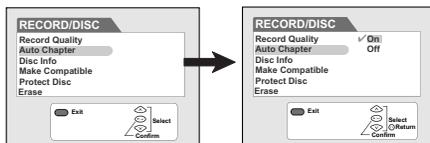
Once the Auto Chapter is on, this DVD Recorder will automatically insert a Chapter marker during recording. You can also manually insert Chapter markers after recording. For details, please refer to Chapter 1-3: Editing.

- The OSD Example in the right is when No Disc is placed. If you insert a DVD+R or DVD+RW disc, the OSD will be shown as follows :

- a** When a DVD+R disc is placed:



- b** When a DVD+RW disc is placed:



To return to the Setup MENU screen

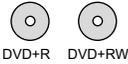
Press Return  button.

To finish the setup operation

Press  to exit from Record/Disc setup screen.



4-2 RECORD / DISC Setup-continued



Disc Info. Setting



- 1 Press **Record/Disc** in the stop mode to display the menus.
- 2 Press **▼** to select "Disc Info." and then press **↙/↘**.

- 2a If placed a DVD+R disc
- 2b If placed a DVD+RW disc



- 3 The related information about your disc will be shown on the screen, including Disc type, Total recorded title, Protected title, and Total recorded time.

- 3a If placed a DVD+R disc but Not yet finalised
- 3b If placed a Closed DVD+R disc (finalised already)
- 3c If placed a DVD+RW disc



To return to the Setup MENU screen

Press **Return**  button.



To finish the setup operation

Press **Record/Disc**  to exit from Record/Disc setup screen.



4-2 RECORD / DISC Setup-continued



Finalise Setting

- 1 Press **Record/Disc** in the stop mode to display the menus.
- 2 Press **▼** to select “Finalise” then press **▶/◀** to confirm whether to execute the function of finalization.
- 3 Select “Confirm”, and then press **▶/◀**.



- The finalization function only works Once in DVD+R discs.
- You must finalise a DVD+R disc before it can be played on another DVD player.

To return to the Setup MENU screen

Press Return  button.

To finish the setup operation

Press  to exit from Record/Disc setup screen.

Make Compatible Setting

- 1 Press **Record/Disc** in the stop mode to display the menus.
- 2 Press **▼** to select “Make Compatible”, and then press **▶/◀**.
- 3 Select “Confirm”, and then press **▶/◀**.



If you do not make your DVD+RW compatible, you can only play back this disc in this DVD Recorder.

To return to the Setup MENU screen

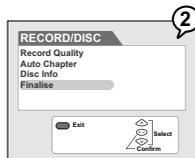
Press Return  button.

To finish the setup operation

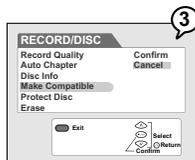
Press  to exit from Record/Disc setup screen.



DVD+R



DVD+RW





4-2 RECORD / DISC Setup-continued



DVD+RW



Protect Disc Setting

- 1 Press **Record/Disc** in the stop mode to display the menus.
- 2 Press **▼** to select “Protect Disc” and then press **▶/↵**.
- 3 Select “Confirm” and then press **▶/↵**.

- After the Disc is Protected, the “Erase” function will be disabled.



To return to the Setup MENU screen

Press Return  button.

To finish the setup operation

Record/Disc

Press  to exit from Record/Disc setup screen.



4

Initial Settings



DVD+RW



Erase/Format Setting

- 1 Press **Record/Disc** in the stop mode to display the menus.
- 2 Press **▼** to select “Erase” and then press **▶/↵**.
- 3 Select “Confirm” and then press **▶/↵**.



- Please confirm that the DVD+RW disc is in REC already. As this command may not be paused or cancelled, please reconsider the necessity of such acts.
- When Formatting and Erasing begin, all REC functions are locked. Please do not turn off the power at this time in case of loss of information.

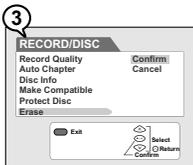
To return to the Setup MENU screen

Press Return  button.

To finish the setup operation

Record/Disc

Press  to exit from Record/Disc setup screen.



4-3 VIDEO Setup



TV Type Setting

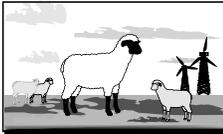
The kind of TV set (4:3 or 16:9) connected to this DVD Recorder can be selected.

1 Press Video in the stop mode to display the menus.

2 Select "TV type" by pressing  .

3 Press ▲ / ▼ to select a preferred TV display, then press  .

There are 16:9 Widescreen, 4:3 Letterbox, and 4:3 Full screen that can be used to display DVD movies on your TV.

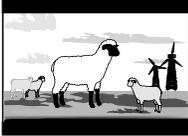


3a. 16:9 Widescreen

Select 16:9 Widescreen. If your recorder connects to a wide screen TV to play the movie in "FULL" size.

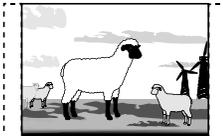
⚠ IMPORTANT

If you select this setting for a conventional size TV, this might result in a distorted screen.



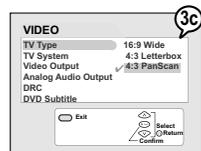
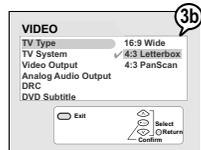
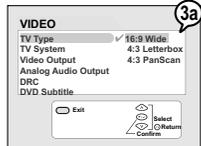
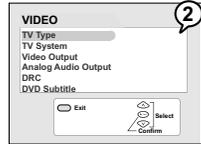
3b. 4:3 Letter Box

Select 4:3 Letter Box if you want to play the movie in its original aspect ratio on a conventional size TV. The entire frame will appear on the screen, but you will see the black bars appear at the top and bottom of the screen.



3c. 4:3 PanScan

Select 4:3 PanScan (Pan and Scan) if you want the movie to fill the entire screen of your TV. This may result in the left and right edges of picture won't be seen.



4 Initial Settings

To return to the Setup MENU screen

Press  button.

To finish the setup operation

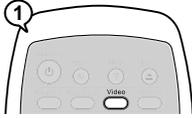
Press  to exit from Video setup screen.



4-3 VIDEO Setup-continued

TV System Setting

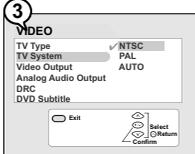
Select the "PAL" or "NTSC" in accordance with your TV's system. If your TV supports both PAL and NTSC, select "AUTO"



1 Press Video in the stop mode to display the menus.



2 Press ▲ / ▼ to select "TV System", and then press .



3 Press ▲ / ▼ to select the preferred video output setting and press .

To return to the Setup MENU screen

Press Return  button.

To finish the setup operation

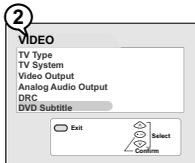
Press  to exit from Video setup screen.

DVD Subtitle Setting

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



1 Press Video in the stop mode to display the menus.



2 Press ▲ / ▼ to select "DVD Subtitle", then press .



3 Press ▲ / ▼ to select the preferred language, and then press .

To return to the Setup MENU screen

Press Return  button.

To finish the setup operation

Press  to exit from Video setup screen.

4

Initial Settings

4-3 VIDEO Setup-continued



Video Output Setting

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

1 Press **Video** in the stop mode to display the menus.

2 Press **▼** to select “Video Output”, and then press **▶/◀**.

3 Press **▲/▼** to select the preferred video output setting and press **▶/◀**.

a SCART RGB

Select “SCART RGB” when you’ve connected this recorder’s SCART OUT to TV via Scart cable. This will provide a better viewing result.

b RCA Component

Select “RCA Component” when you’ve connected this recorder’s Cr Y Cb Out jacks to TV’s Cr Y Cb input via Component video cable. This will provide the best viewing result.

c S-Video

Select S-Video when you’ve connected this recorder’s S-Video Out jacks to your TV’s S-Video In jacks.

- Select S-Video Only if your TV does not provide Progressive nor component jacks.
- For details on the way of connections, please refer to the *Quick Reference*.



What if the screen turns black while setting the Video Output OSD ...

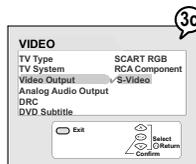
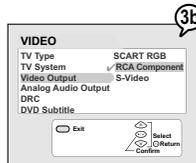
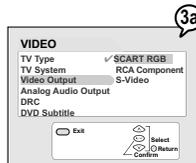
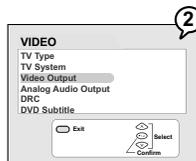
-- Press **TV Sys.** a number of times until the screen is back to normal.

To return to the Setup MENU screen

Press Return  button.

To finish the setup operation

Press  to exit from Video setup screen.





4-3 VIDEO Setup-continued



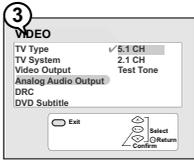
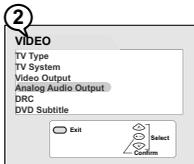
Analog Audio Output

The DVD player provides various types of audio output to set on and that include 2.1 channel digital stereo sound, and Dolby Digital 5.1/DTS digital surround sound.

- 1 Press **Video** in the stop mode to display the menus.
- 2 Press **▼** to select “Analog Audio Output”, and then press **▶/↵**.
- 3 Press **▲/▼** to select a preferred audio output setting.

- Or

Press **2/5.1 CH** button to switch between 2.1 CH and 5.1 CH



Test Tone Setting

When setting up “Analog Audio Output” for the first time after connection, you can output a test tone to test surround sound on each speaker.

- 1 Press **Video** in the stop mode to display the menus.
- 2 Press **▼** to select “Analog Audio Output”, and then press **▶/↵**.
- 3 Press **▼** to select “Test Tone” and press **▶/↵**.

A Test Tone diagram appears on the screen.

- a When “2.1 Ch” Audio Output is selected, the test items and their orders are as follows:

L (Front Left) ➔ R (Front Right) ➔ SW (Subwoofer)

- b When “5.1 Ch” Audio Output is selected, the test items and their orders are as follows:

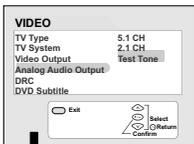
L (Front Left) ➔ C (Centre) ➔ R (Front Right) ➔ LS (Rear Left) ➔ SW (Subwoofer) ➔ RS (Rear Right)

To return to the Setup MENU screen

Press Return  button.

To finish the setup operation

Press  to exit from Video setup screen.

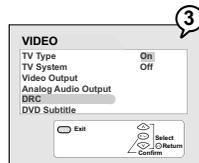
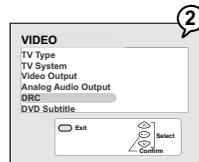




DRC (Dynamic Range Compression) Setting

The Dynamic Range (for audio) is basically the difference between the lowest volume and the maximum volume. By effectively controlling the dynamic range, this function allows you to achieve a satisfactory loudness balance.

- 1 Press **Video** in the stop mode to display the menus.
- 2 Press **▼** to select “DRC”, and then press **▶/◀**.
- 3 Select “On” to initiate DRC function by pressing **▶/◀**.





4-4 SYSTEM Setup

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.

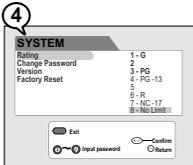
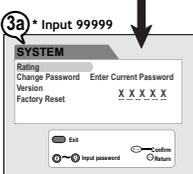
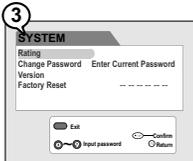
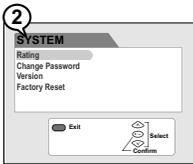
1 Press System in the stop mode to display the menus.

2 Select "Rating" by pressing .

3 Input a 5-digit password with the number buttons.

3a For the first timer-- Factory pre-set password : 99999

4 Press / to choose one level from 1 to 8 and press .



Rating Explanations

- 1 -- G** General Audience; recommended as acceptable for viewers of all ages.
- 2 --**
- 3 -- PG** Parental Guidance suggested.
- 4 -- PG-13** Material is unsuitable for children under the age of 13.
- 5 --**
- 6 -- R** Parental Guidance-restricted; recommended that parents restrict children under age 17 from viewing or allow children to view only when supervised by a parent or adult guardian.
- 7 -- NC-17** No children under the age of 17; not recommended viewing for children under age 17.
- 8 -- No Limit** No restriction

For Your Reference:

- You can use the parental control lock ONLY with DVD video discs featured with the parental lock function.
- 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.

To return to the Setup MENU screen

Press Return button.

To finish the setup operation

Press to exit from System setup screen.

4-4 SYSTEM Setup-continued



Change PASSWORD Setting [DVD]

You can change the password to your DVD by selections.

1 Press **System** in the stop mode to display the menus.

2 Press **▼** to select “Change Password” and press **▶/↵**

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

3a Input a 5-digit password with the number buttons.
Factory pre-set password : 99999

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

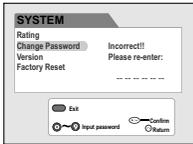
4a Input a NEW 5-digit password with the number buttons.

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

Input the same 5-digit password as in Step 5 with the number buttons.



If you've inputted the wrong password, the following screen will appear:



Please then re-enter your password.

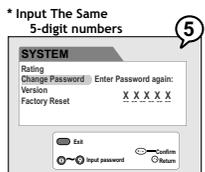
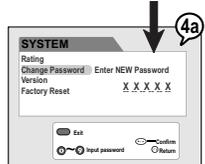
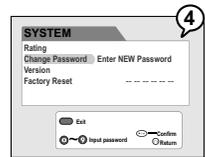
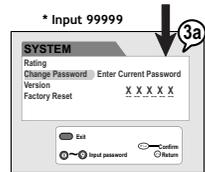
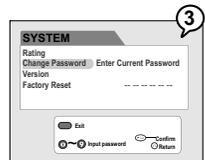
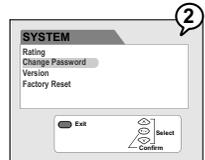
If you've forgotten your password, please select “Factory Reset” to restore to the default setting.

To return to the Setup MENU screen

Press **Return**  button.

To finish the setup operation

Press **System**  to exit from System setup screen.





4-4 SYSTEM Setup-continued

Factory Reset Setting

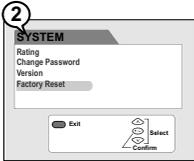
You may re-set the previous settings in System to the default setting.



1 Press **System** in the stop mode to display the menus.

2 Press **▲/▼** to select “Factory Reset” and press **▶/◀**.

3 Select “Confirm”, then press **▶/◀**.



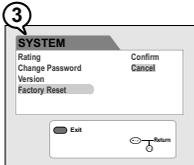
 After selecting “Confirm”, this DVD Recorder will reset every setup item in the setup menu. When factory default is done, the machine will automatically reboot.

To return to the Setup MENU screen

Press Return  button.

To finish the setup operation

Press  to exit from System setup screen.



4

Initial Settings

Version Setting

To display this recorder’s model number, part number, and etc.

1 Press **System** in the stop mode to display the menus.

2 Press **▲/▼** to select “Version” and press **▶/◀**.

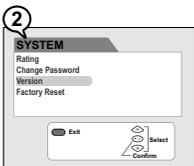


To return to the Setup MENU screen

Press Return  button.

To finish the setup operation

Press  to exit from System setup screen.



4-5 TIMER Setup



Video Plus Recording

Video Plus is the encoding of a programme schedule information represented by a number of up to eight digits. These code are printed in most TV programme Guide in your area. To programme your favourite TV programs, simply input the code for timer recording. Depending on different regions of the world, the name of programming system may be various, for example, VCR Plus (North & South America), G-Code (Asia, Australia), Video Plus+ (United Kingdom), and ShowView (Europe & Africa).

⚠ Important: Make sure Date Time Setting be the same as your local time. Otherwise, the Video Plus recording will be invalid.

1 Press **Timer** (Timer) in the stop mode to display the menus.

2 Press **▼** to select "Video Plus+" and press **▶/◀**.
An empty space appears to let you enter the number.

3 Input the Video Plus + code number via the remote control, then press **▶/◀**.

Check your local newspaper or TV programme guide for Video Plus+ code corresponding to the programme you want to record for your area. If you want to correct the number. Press **◀** button to erase the number or press **Clear** button to re-enter the number. Press **▶/◀** (**PLAY/ENTER**) to confirm and save the number.

4 Input the Video Plus+ Programme number .

You can find the Video Plus+ Programme number next to the Video Plus+ code number in your TV programme guide.

5 Press **▶/◀**.

The programme summary appears. You can move **▲** or **▼** buttons on the remote control to highlight and change the option for recording, then Press **PLAY/ENTER** button.

6 Press **▶/◀** again.

A programme list with 8 entries information appears. You can move **▲** or **▼** buttons on the remote control to select each entry for editing, then press **PLAY/ENTER** button.

Note:

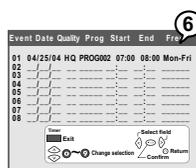
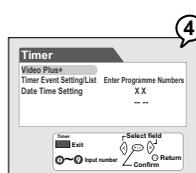
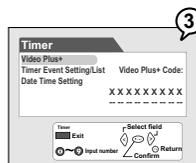
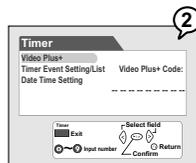
- After finishing the schedule recording, a warning message "Switch unit to Standby and wait for recording" will appear on the screen. You have to press the **POWER** button on the remote control to power standby mode. Only by doing this, the timer recording will be complete.
- While schedule recording, make sure POWER of this DVD Recorder is always on.

To return to the Setup MENU screen

Press **Return** button.

To finish the setup operation

Press **Timer** to exit from Timer setup screen.





You can add/erase or edit the programme list manually by inputting the programme information.

! Important: Make sure Date Time Setting be the same as your local time. Otherwise, the Timer recording will be invalid.

Timer Event (Record) Setting



Timer

1 Press **[Timer]** (Timer) in the stop mode to display the menus.

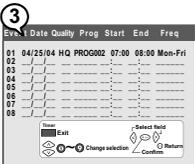
2 Press **[Down]** to select "Programme List" and press **[Right]**.

3 Press **[Up]** / **[Down]** to select one entry, then press **[Right]** / **[Left]**.

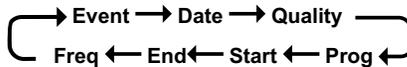


This DVD Recorder provides up to 8 entries for schedule recording.

4 Press **[Left]** / **[Right]** to select the item you want to change and press **[Up]** / **[Down]** or number buttons to change the setting, then press **[Right]** / **[Left]**.



Press **[Right]** to scroll through the following items.



Example:

Event	Date	Quality	Prog	Start	End	Freq
01	04/25/04	HQ	PROG001	07:00	08:00	Mon-Fri

Press **[Up]** / **[Down]** to select the source of A/V signals or select the TV channel number by pressing number buttons.

The default setting will be shown on screen for your reference after you select and enter one entry.



! Important:

After finishing the schedule recording, a reminder message "Press Standby for timer recording" will appear on the screen. You have to press the **POWER** button on the remote control to power standby mode. Only by doing this, the timer recording will be complete.



- Before schedule recording, remember to put a recordable DVD+RW or DVD+R (with free space) disc into this DVD Recorder. If not, you can't do any recording even though schedule recording has set up.
- While schedule recording, make sure **POWER** of this DVD Recorder is always on.

To return to the Setup MENU screen

Press **[Return]** button.

To finish the setup operation

Timer

Press **[Exit]** to exit from System setup screen.

4

Initial Settings

4-5 TIMER Setup



Date / Time Setting

- 1 Press **Timer** (Timer) in the stop mode to display the menus.
- 2 Press **▼** to select "Date Time Setting" and press **▶/↵**.
- 3 Press **◀/▶** to select the item you want to change and press **▲/▼** to change the setting.

Press **▶** to scroll through the following items.



Example: Time 18:30:20
 Date 15/04/04 THU — It will change automatically according to your setup date.

- 4 Press **▶/↵**.

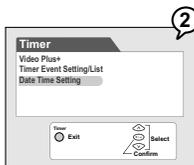
Every time before doing timer recording, you have to check the date and time setting again to make sure the information of the date and time is correct.

To return to the Setup MENU screen

Press Return button.

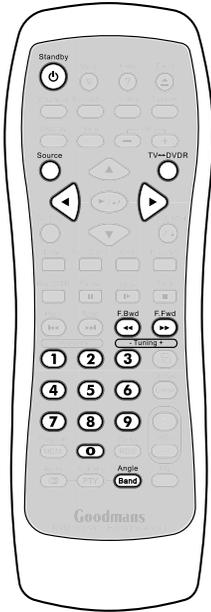
To finish the setup operation

Timer
 Press **Exit** to exit from System setup screen.





5-1 Radio Operation



MW/FM Tuning

1 Press Power on.

The power LED is green on.

2 Press TV/DVDR button on the remote control to switch to TV mode.

3 Press Source button.

Press Source button repeatedly until “KHz” or “MHz” appears in the DVD display.

4 Press Band button.

Press **Band** button to select a possible frequency band. (FM or MW)

5 Input station frequency by pressing numbers button.



- If a radio station tuned in is weak, you may slightly adjust the frequency with the cursor (◀ or ▶) buttons (manual tuning).
- “Stereo” will appear on the DVD display when an FM station broadcasting in stereo.

5-1 Radio Operation



Preset Tuning

You can store up to 50 stations in memory (30 FM stations + 20 MW stations) and recall them simply by pressing the buttons.

To Store Stations Into Memory

- 1** Perform Steps 1 to 5 in the “MW/FM Tuning” section.
- 2** Press Program/MEM button.
- 3** Press - Preset (◀◀) and Preset + (▶▶) buttons to select the station you wish to store.
- 3** Press Program/MEM button again.

To Recall a Stored Station

- 1** Press - Preset (◀◀) and Preset + (▶▶) buttons or input the station numbers by pressing numbers but-





6-1 Sound Effect



Setting Audio Sound Effect

You can output the sound with an acoustical effect as Normal, Jazz, Pop, Classic, Dance and Rock.

- 1 Press the EQ button repeatedly to select the wished sound effect.**

The sound effect item you select now states play.



Setting Speaker Sound Balance

You can manually adjust the sound balance on Front Right, Front Left, Rear Right, Rear Left, Centre, Subwoofer, Treble, and Bass speakers.

- 1 Press the CH Sel button repeatedly to toggle to the wished Speaker.**

- 2 Press VOL +/- to adjust the speaker volumes.**

The scale of volume goes from +6 to -6. The sound is louder toward +6, and quieter toward -6.

- 3 Repeat Step 1 to 2 to adjust the volumes of the following "Rear Right", "Rear Left", "Centre", "Subwoofer", "Treble" and "Bass" speakers.**

5

Radio Operation

Per channel Volume Adjust
Front Right | | | | | | | | | | (0)



- Audio channel appears on the screen and on the DVD display while you are adjusting the volume.
- The volume dial of the unit can only adjust main volume.

7-1 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.	<ul style="list-style-type: none"> • 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.	<ul style="list-style-type: none"> • 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.	<ul style="list-style-type: none"> • The disc may be dirty and may require cleaning. • Ensure that the disc is installed with the label side up.
No picture.	<ul style="list-style-type: none"> • 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.	<ul style="list-style-type: none"> • 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.	<ul style="list-style-type: none"> • 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.	<ul style="list-style-type: none"> • 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.	<ul style="list-style-type: none"> • Check the disc for fingerprints and clean with a soft cloth, wiping from centre to edge. • Sometimes a small amount of picture distortion may appear. This is not a malfunction.
Completely distorted picture or no color in picture.	<ul style="list-style-type: none"> • The disc format is not according to the TV-set used (PAL/NTSC).
Picture is distorted during rapid advance or rapid reverse.	<ul style="list-style-type: none"> • The picture will be somewhat distorted at times: this is normal.
No rapid advance (or rapid reverse) playback.	<ul style="list-style-type: none"> • Some discs may have sections which prohibit rapid advance (or rapid reverse).
No 4:3 (16:9) picture.	<ul style="list-style-type: none"> • Choose the correct setup "Aspect Ratio" item which matches the TV set used.
No operations perform with the remote control.	<ul style="list-style-type: none"> • 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.



7-1 Troubleshooting-continued

SYMPTOM (COMMON)	REMEDY
PLAY does not start playback even when title is selected.	<ul style="list-style-type: none">• 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.	<ul style="list-style-type: none">• 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.	<ul style="list-style-type: none">• 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) language available.	<ul style="list-style-type: none">• An alternative language can not be selected may result of no more than one language cannot be selected.
Angle cannot change.	<ul style="list-style-type: none">• 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	<ul style="list-style-type: none">• Check if the disc supports 5.1 Channel.• Check if the speaker is properly connected.• Check if the audio output setting is right.

SYMPTOM (COMMON)	REMEDY
No key operation (by the DVD Recorder and/or the remote control) is effective.	<ul style="list-style-type: none">• 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)	<ul style="list-style-type: none">• Check if this DVD Recorder and outer equipment 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	<ul style="list-style-type: none">• Check if the TV system setting is correct.• Check If you set output format in "Progressive Scan", then you have to set "Component" in the video output setting. The actual output format must match to the output format setting.
OSD setting doesn't be executed	<ul style="list-style-type: none">• Some setting must be stored by pressing left button. Recheck it.
Wrong time	<ul style="list-style-type: none">• Reset time.

7-2 Disc Handling and Maintenance



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 centre 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.

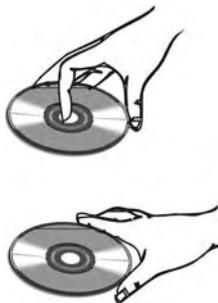
Recordable disc format

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

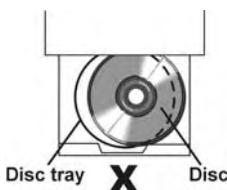
Maintenance

- Be sure to turn the unit off and disconnect the AC power cord before maintaining 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.

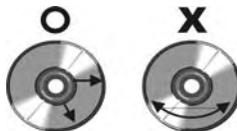
(A)



(B)



(C)





7-3 Definition of Terms

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 finalised 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.