

Instruction Manual

*DVD +RW/-RW Player / Recorder
DR-5100x*


TARGA®

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



Important Instructions

- 1 **Read these instructions.**
- 2 **Keep these instructions.**
- 3 **Heed all warning.**
- 4 **Follow all instructions.**
- 5 **Do not use this apparatus near water.**
- 6 **Clean only with dry cloth.**
- 7 **Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.**
- 8 **Do not install near any heat sources** such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- 9 **Do not defeat the safety purpose** of the grounding-type plug. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
- 10 **Protect the power cord** from being walked on or pinched, particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- 11 **Only use attachments/accessories** specified by the manufacturer.

- 12  **Use only with the cart, stand, tripod, bracket, or table** specified by the manufacturer or sold with the apparatus. When a cart is used, use caution when moving the cart apparatus combination to avoid injury from tip-over.

- 13 **Unplug this apparatus** during lightning storms or when unused for long periods of time.
- 14 **Refer all servicing** to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
- 15 **Battery usage CAUTION** - To prevent battery leakage which may result in bodily injury, property damage, or damage to the unit:

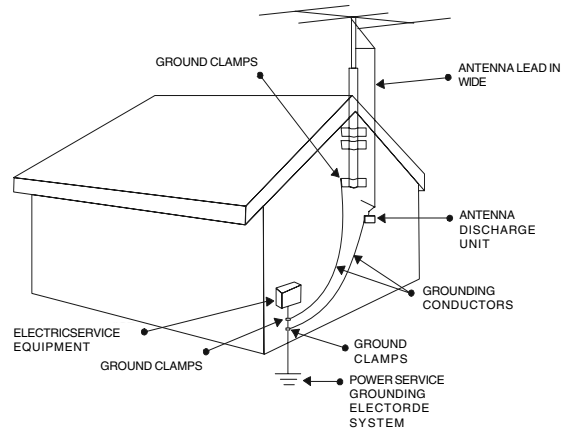
- Install all batteries correctly, + and - as marked on the unit.
- Do not mix batteries (old and new or carbon and alkaline, etc.).
- Remove batteries when the unit is not used for a long time.

- 16 **To reduce the risk of fire or electric shock, Do not expose this apparatus to rain or moisture**

- 17 This appliance shall not be exposed to dripping or splashing water and that no object filled with liquid such as vases shall be placed on the apparatus.

- 18 **Power Lines** - An outdoor antenna should be located away from power lines.

- 19 **Outdoor Antenna Grounding** - If an outside antenna is connected to the product, be sure that the antenna system is grounded so as to provide some protection against voltage surges and built up static charges.



- 20 The wall outlet must be easily accessible.
- 21 To completely disconnect the device from the electrical power, unplug the power cord.
- 22 Do not use any extension cords.

IMPORTANT INSTRUCTIONS



CAUTION

“VENTILATION SHOULD NOT BE IMPEDED BY COVERING THE VENTILATION OPENINGS WITH ITEMS, SUCH AS NEWSPAPER, TABLE-CLOTHS, CURTAINS, ETC”.

“NO NAKED FLAME SOURCES, SUCH AS LIGHTED CANDLES, SHOULD BE PLACED ON THE APPARATUS.”

“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.”

“THE MAINS PLUG IS USED AS THE DISCONNECT DEVICE AND SHALL BE REMAIN READILY OPERABLE”.

Warning: To reduce the risk of electric shock, do not remove the cover or back of this product. There are no userserviceable parts inside. Refer servicing to qualified service personnel.

**CLASS 1
LASER PRODUCT**



Warning: This digital video disc recorder employs a laser system. Use of controls, adjustments, or the performance of procedures other than those specified herein may result in hazardous radiation exposure.



Warning: To prevent direct exposure to laser beam, do not open the enclosure. Visible laser radiation when open.



Warning: Never stare directly into the laser beam.

Caution: Do not install this product in a confined space such as a book case or similar unit.



This product is manufactured to comply with the radio interference requirements of EEC DIRECTIVE 89/336/EEC, 93/68/EEC and 73/23/EEC.

Notes on Copyrights:

It is forbidden by law to copy, broadcast, show, broadcast via cable, play in public, or rent copyrighted material without permission. This product features the copy protection function developed by Macrovision. Copy protection signals are recorded on some discs. When recording and playing the pictures of these discs picture noise will appear. 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.

CONSUMERS SHOULD NOTE THAT NOT ALL HIGH DEFINITION TELEVISION SETS ARE FULLY COMPATIBLE WITH THIS PRODUCT AND MAY CAUSE ARTIFACTS TO BE DISPLAYED IN THE PICTURE. IN CASE OF 525 OR 625 PROGRESSIVE SCAN PICTURE PROBLEMS, IT IS RECOMMENDED THAT THE USER SWITCH THE CONNECTION TO THE ‘STANDARD DEFINITION’ OUTPUT.

SERIAL NUMBER:

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

Model No. DR-5100x
Serial No. C124
Date of Purchase

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General Information

Features

- Built-in Dolby Digital decoder, supporting Dolby Pro Logic and Virtual Surround
- 5.1Channel audio out
- Progressive Scan
- DV-IN
- TV tuner receiver
- Conforming DVD+/-R, DVD+/-RW, SVCD,VCD1.1,VCD2.0,MP3, MPEG4,CDR,CDRW discs
- DVD navigation and SVCD,VCD2.0 PBC controlling functions
- VFD front panel display and OSD menu display
- Full function remote control
- Standby By pass

DVD region code

DVD players and discs are designed with region numbers which dictate the region (printed on the rear panel). If the region number does not match the region number in your DVD player, you will not be able to play the disc. If you try to play the DVD, the message "WRONG REGION NUMBER" will appear on OSD.

The region number for this DVD player is **2**

Disc can be played back

- DVDs
Disc are general recorded with multi-titles.
Titles may be subdivided into chapters.
- Video CD (version 2.0, 1.1,) / SVCD
Disc are general divided into tracks.
- Audio CDs / MP3 / Kodak picture CD
Disc are divided into tracks.

Note

- You cannot play CD-G, CD-EXTRA, , CD-ROM and DVD-ROM discs.
- You cannot play illegally produced discs.
- You cannot play scratched discs.
- You cannot play disc that are dusty, soiled or marked with fingerprints.

DISC can be recorded

- DVD +/-R (Digital Versatile Disc +/- recordable)
- DVD +/-RW (Digital Versatile Disc +/- rewriteable)

Glossary of disc terms

- Title (DVD)
The longest sections of a picture or a music piece on a DVD; a movie, etc., for a picture piece on a video software; or an album, etc., for a music piece on and audio software. Each title is assigned a title number enabling you to locate the title you want.
- Chapter (DVD)
Sections of a picture or a music piece that are smaller than titles. A title is composed of several chapters. Each chapter is assigned a chapter number enabling you to locate the chapter you want. Depending on the disc, no chapters may be recorded.

- Track (Video or audio CD)
Sections of a picture or a music piece on a VIDEO or a CD. Each track is assigned a track number enabling you to locate the track you want.

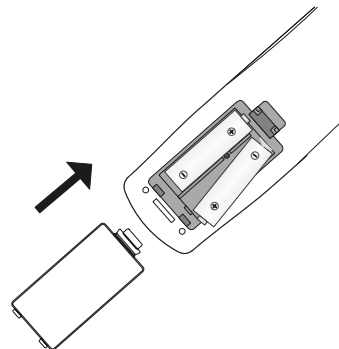
Supplied Accessories

Check that you have the following items:

- RF antenna cable
- RCA cable(RCA x 1 pair)
- Remote control
- AA batteries
- Owner's manual
- Scart Cable
- Test DVD Burosch

Inserting Batteries into the Remote Control

You can control the system using the supplied remote. Insert two batteries by matching the + and - on the batteries. When using the remote, point it at the remote sensor on the front panel of this system.



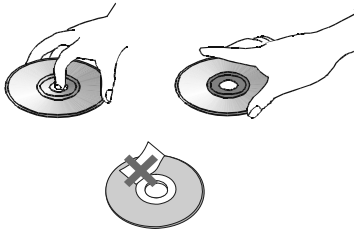
Note

- Do not leave the remote in an extremely hot or humid place.
- Do not use a new battery with an old one.
- Do not drop any foreign object into the remote casing, particularly when replacing the batteries.
- Do not expose the remote sensor to direct sunlight or lighting apparatuses. Doing so may cause a malfunction.
- If you will not use the remote for an extended period of time, remove the batteries to avoid possible damage from battery leakage and corrosion.
- Attention! Dispose worn-out batteries not with your domestic waste. Please contact your local government for disposal practices in your area.

Notes on disc

Disc handling precautions

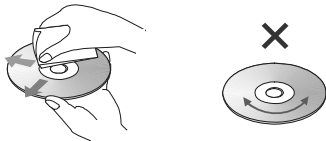
- To keep the disc clean, handle the disc by its edge. Do not touch the surface.
 - Do not stick paper or tape on the disc.
- If there is glue (or a similar substance) on the disc, remove the glue completely before using the disc.



- Do not expose the disc to direct sunlight or sources such as hot air ducts, or leave it in a car parked in direct sunlight as there can be considerable rise in temperature inside the car.
- After playing, store the disc in its case.
- Do not write on the label side with a ball-point pen or other writing utensils.
- Be careful not to drop or bend the disc.

Disc cleaning precautions

- Before playing, clean the disc with a cleaning cloth. Wipe the disc from the center to out.




- Do not use solvents such as benzine, thinner, commercially available cleaners or anti-static spray intended for vinyl LPs.

Disc installing precautions

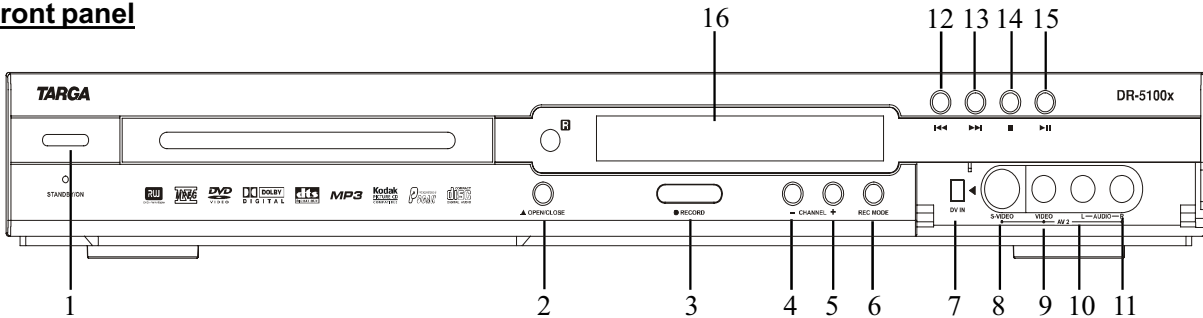
- Do not install more than 1 disc on disc tray.
- Do not place the disc on the tray up-side down.
- Do not try to close the disc tray when the disc is not installed properly.

Conventions about this manual

- Instructions in this manual describe the controls on the system. You can also use the controls on the remote control if they have the same or similar names as those on the system.
- The types of functions and operations that can be used for a particular disc vary depending on the features of that disc. In some cases, these functions and operations may differ from the descriptions given in this Operations Manual. In this event, follow the instructions given on the screen. This Operations Manual only covers basic disc operations.
- For some operations, the  icon may appear on the screen. This indicates that the operation described in this Operations Manual is not permitted for the current disc.
- The drawings about the TV screen and front panel display used in this Operations Manual are purely for the purposes of explanation. The actual displays may differ slightly from what are shown here.

FUNCTION OVERVIEW

Front panel



1- POWER

To power the unit on or off.
This DVD recorder consumes power in stand-by mode. In order to avoid any power consumption use the power switch on the back side.

2- OPEN/CLOSE

Press to open/close disc tray.

3- RECORD

Press to record.

4- CHANNEL (-)

Press to select previous TV channel

5- CHANNEL (+)

Press to select next TV channel

6- REC MODE

Select the record mode

7- DV IN

Connect the audio/video(game console camcorder. etc)

8- S-VIDEO IN

S-video input jack

9- VIDEO IN (AV2 IN)

Video input jack

10- AUDIO IN (L)

Audio input jack(left channel)

11- AUDIO IN (R)

Audio input jack(right channel)

12- PREV

Press to select the previous track or chapter.

13- NEXT

Press to select the next track or chapter.

14- STOP

Press to stop playback except for timer recording.

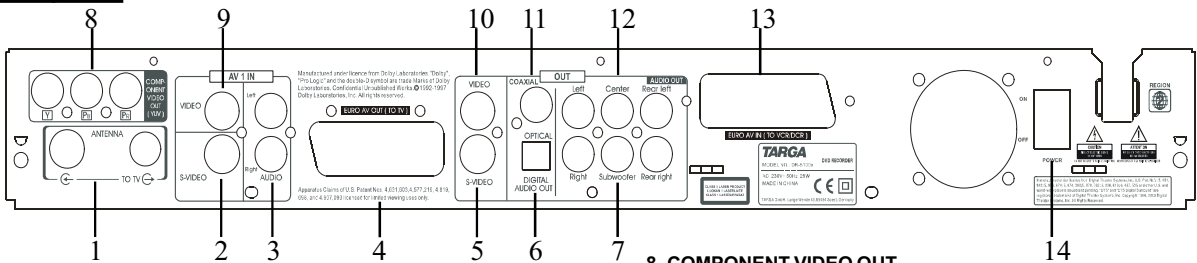
15- PLAY/PAUSE

Press to play or pause the playback

16- VFD

VFD will display the unit present work condition.

Back panel



1- ANTENNA

Connect RT ANTENNA to TV set

2- S-VIDEO (IN)

S-video input jack

3- AUDIO IN (Left and Right)

Audio input jacks

4- EURO AV IN (TO TV)

Euro AV input jack

5- S-VIDEO (OUT)

S-video output jack

6- OPTICAL OUT

Optical digital audio output

7- SUBWOOFER

Connect the Amplifier Sub terminals

8- COMPONENT VIDEO OUT

Component video output jacks

9- VIDEO IN

Video input jack

10- VIDEO OUT

Video output jack

11- COAXIAL OUT

Coaxial digital audio output

12- AUDIO OUT

Connect the Amplifier Audio input

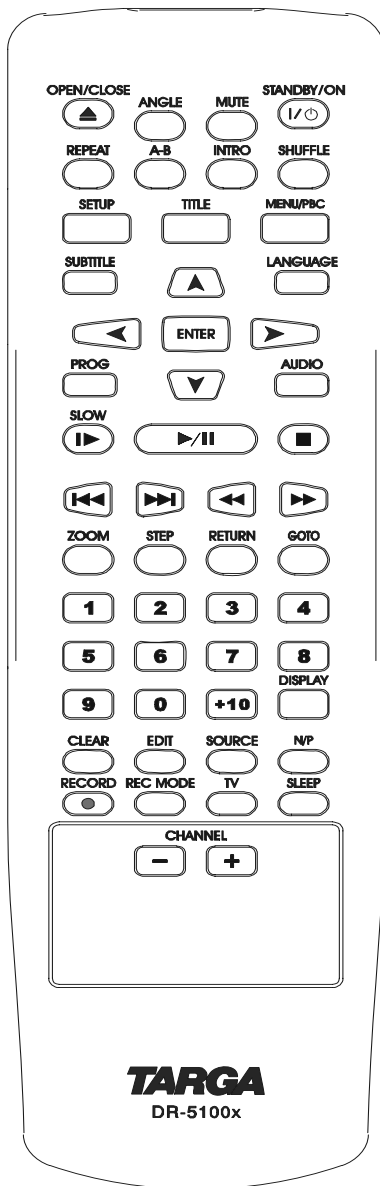
13- EURO AV IN (TO VCR/DSR)

Euro AV input jack

14- POWER (ON/OFF)

Power switch

Remote control



OPEN/CLOSE: open or close the disc tray.

ANGLE: access various camera angles on DVD.

MUTE : press to shut off the sound or to restore the sound.

STANDBY/ON : switches the unit from between standby and on.¹⁾

REPEAT : allow you to repeat a title, a chapter, a song or all songs on the disc (usually used on music discs).

1) To power the unit on or off. This DVD recorder consumes power in stand-by mode. In order to avoid any power consumption use the power switch on the back side.

A-B : repeat a certain segment between A and B.

INTRO : press to scan all the tracks with 10 seconds for each track(CD, VCD only).

SHUFFLE : press to play the tracks at random.

SETUP : enter into the SETUP menu.

TITLE : displays the title menu if available (DVD only)

MENU/PBC : press to select the subtitle(root) menu.

SUBTITLE : access various subtitle language in DVD.

LANGUAGE : select a different Audio language or director narration.

Directional arrow buttons : select the item you want.

ENTER : press to enter a command or confirm a selection.

PROG : program the tracks in your own order (only VCD and CD)

AUDIO : changes the audio channels of a VCD or CD if available , or selects stereo, left or right audio channel of a VCD disc.

SLOW : select the forward/backward slow speed playback.

PLAY/PAUSE : press to start or pause playback.

STOP : stops by momentarily or fully.

PREV SKIP: skip to previous chapter or track.

NEXT SKIP : skip to next chapter or track.

FAST BACKWARD: press to do fast backward search.

FAST FORWARD : press to do fast forward search.

ZOOM : press to enlarge the picture.

STEP : press to view playback frame by frame

RETURN : return back to the menu (VCD only).

GOTO: go to the desired starting title, chapter, track or time.

NUMBER KEYS : used in DVD menu and CD track selection.

DISPLAY : press to show the playing information about the disc.

CLEAR : press to clear what you select or input.

EDIT : press to edit what you record.

SOURCE : press to select your desired source.

N/P : press to switches between the PAL and NTSC system.

RECORD : press to start record.

REC MODE : press to select the record mode before recording.

TV : press to transfer to TV programmes.

SLEEP : To set the timer on the unit.

CHANNEL -/+ : press to select lower/upper TV program channel.

BASIC CONNECTION

IMPORTANT !

- Before connecting the AC power to the wall outlet, ensure that all other connections have been made.
- Never make or change any connections with the power switched on.

★ Connect your DVD recorder to TV set

If your TV set have the COMPONENT VIDEO OUT socket, connect your TV with Component video cables .(Configuration C+D+E)

1. Insert ANTENNA cable into ANTENNA socket at the back of the DVD recorder.
2. Insert one end of the supplied aerial cable to the ANTENNA OUT at the back of the DVD recorder and the other end into the aerial input socket at the back of the TV set.
3. Plug one end of the Video cable into the Green /Blue/ Red Component Video output socket at the back of the DVD recorder and the other end into the Video in or AV in socket on the TV set .
4. Insert one end of the supplied Audio cable into the Red/White socket OUT L AUDIO R at the back of the DVD recorder and the other end into the Audio input (usually red/white)socket on the TV set.
5. If your TV supports progressive scan, switch the recorder in OSD to progressive scan. Attention: If the TV doesn't support progressive scan maybe the picture is dark or with a double picture. In this case switch the recorder off and again on.

If your TV set have the SCART socket , connect your TV with a Scart cable .(Configuration F)

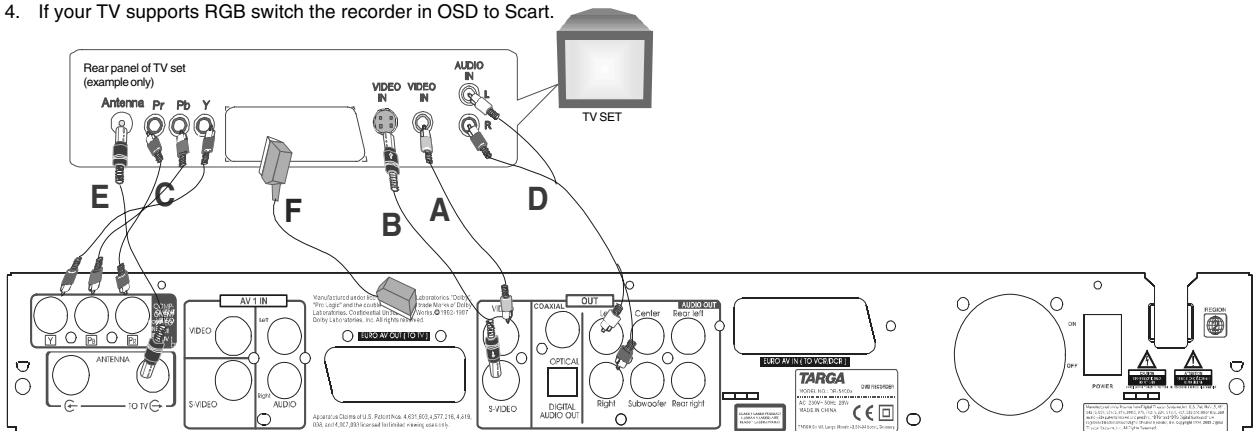
1. Insert ANTENNA cable into ANTENNA socket at the back of the DVD recorder.
2. Insert one end of the supplied aerial cable to the TV socket at the back of the DVD recorder and the other end into the aerial input socket at the back of the TV set.
3. Plug scart cable into the corresponding scart socket at the back of the TV set and the scart socket (SCART OUT)
4. If your TV supports RGB switch the recorder in OSD to Scart.

If your TV set have the S-Video socket , connect your TV with a S-Video cable .(Configuration B+D+E)

1. Insert ANTENNA cable into ANTENNA socket at the back of the DVD recorder.
2. Insert one end of the supplied aerial cable to the ANTENNA OUT at the back of the DVD recorder and the other end into the aerial input socket at the back of the TV set.
3. Plug one end of a S-Video cable into the S-Video 1 output socket at the back of the DVD recorder and the other end into the S-Video input socket on the TV set .
4. Insert one end of the supplied Audio cable into the Red/White socket OUT L AUDIO R at the back of the DVD recorder and the other end into the Audio input (usually red/white)socket on the TV set.
5. Switch the recorder in OSD to S-Video

If your TV set have the VIDEO OUT socket , connect your TV with a Video cable . (Configuration A+D+E)

1. Insert ANTENNA cable into ANTENNA socket at the back of the DVD recorder.
2. Insert one end of the supplied aerial cable to the ANTENNA OUT at the back of the DVD recorder and the other end into the aerial input socket at the back of the TV set.
3. Plug one end of the supplied Video cable into the yellow Video (CVBS) output socket at the back of the DVD recorder and the other end into the Video in or AV in socket on the TV set .
4. Insert one end of the supplied Audio cable into the Red/White socket OUT L AUDIO R at the back of the DVD recorder and the other end into the Audio input (usually red/white) socket on the TV set.
5. If your TV supports progressive scan, switch the recorder in OSD to progressive scan. Attention: If the TV doesn't support progressive scan maybe the picture is dark or with a double picture. In this case switch the recorder off and again on.



★ **Connect your DVD recorder to additional devices, using second Scart socket (Configuration A)**

You can connect additional devices such as decoders, DVD player, etc. to the Scart In, then you can see the picture from the additional device on your TV set. At same time, you can recorder the program from the additional device.

★ **Connect your DVD recorder to additional devices, using second Scart socket (Configuration D)**

T Analogue audio sockets AUDIO OUT are located at the back of the DVD recorder.

These can be used connect the following:

- 1) a receiver with Dolby Surround Prologic
- 2) a receiver with two - channel analogue stereo

★ **Connect your DVD recorder to additional devices, using Video socket (Configuration B/C)**

You can connect additional devices such as decoders, camcorders, etc. to the S-video /Video and Audio in ,then you can see the picture from the additional device on your TV set. At same time, you can recorder the program from the additional device. In this case you have the best quality with S-Video. If you have a device with SCART connector use for better quality the SCART-in connector(Configuration A)

★ **Connect your DVD recorder the digital audio socket to Audio devices (Configuration E)**

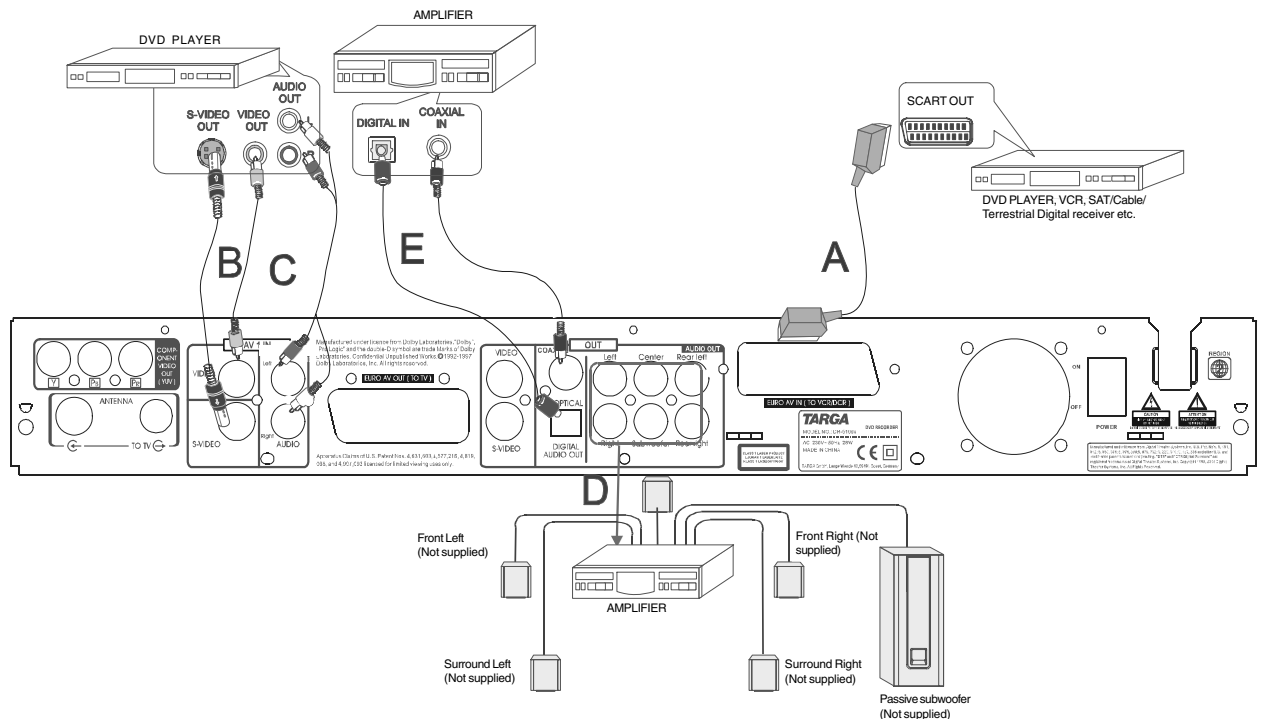
At the back of the DVD recorder there are digital output socket Digital DVD recorder.

For Dolby Digital and DTS sound through your Digital receiver you have to use one of this connectors.

These can be used connect the following:

- 1) an A/V receiver or A/V amplifier with digital multi-channel sound decoder (e.g. 5.1/7.1 Dolby Digital/DTS receiver)
- 2) a receiver with two channel digital stereo

Picture 1



★ **Connect your DVD recorder to VCR or a similar recording equipment**

You can use this unit as the source player or as the recording deck. If your VCR or similar equipment have a SCART connector use this connection. (See Picture 1 on the previous page)

Connection for recording from other equipment

You can connect additional devices such as decoders, camcorders, etc. to the S-video /Video/component and Audio in, then you can see the picture from the additional device on your TV set. At the same time, you can record the program from the additional device.

1. Connect to the AV IN by a video cable.(configuration A+D)
2. Connect to the AV IN by a s-video cable.(configuration B+D)
3. Connect with component video cable.(configuration C+D)

4. Connect to a camcorder etc. by a video/s-video/DV IN. To copy camcorder recordings, you can use the front sockets. These sockets are located behind the flap on the left hand side.

⦿ **Best picture Quality (Configuration A)**

If you have a DV or digital 8 camcorder, connect the DV IN of the DVD recorder to the appropriate DV output on the Camcorder.

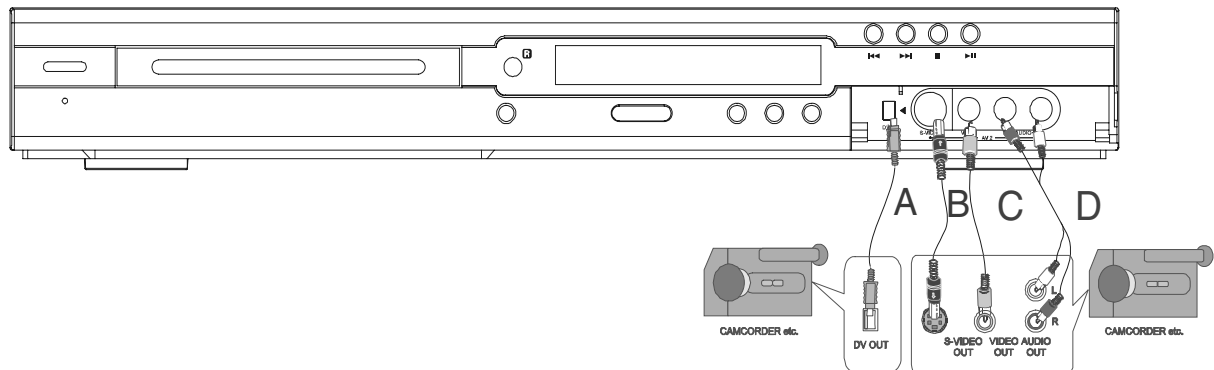
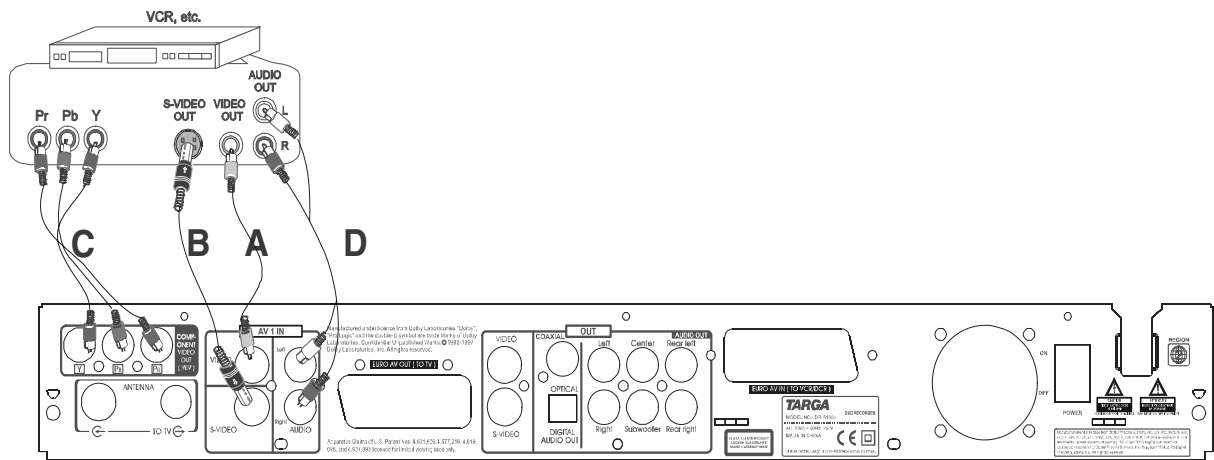
⦿ **Very good picture Quality (Configuration B+D)**

If you have H18 or S-VHS (c) camcorder, connect the S-Video 2 of the DVD recorder to the S-VHS output on the camcorder. you must also connect the audio input L AUDIO R on the DVD recorder to Audio output on the camcorder.

⦿ **Good picture Quality (Configuration C+D)**

If your camcorder only have a single Video output (composite Video, CVBS), connect the Video(AV 2) of the DVD recorder to the Video output on the camcorder. you must also connect the audio input L AUDIO R on the DVD recorder to Audio output on the camcorder.

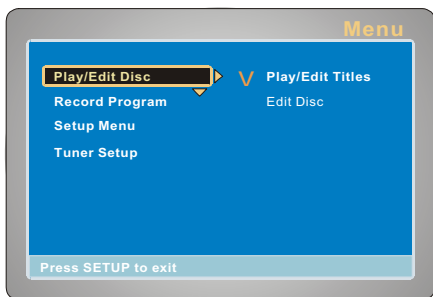
Picture 2:



BEFORE INITIAL SETTING

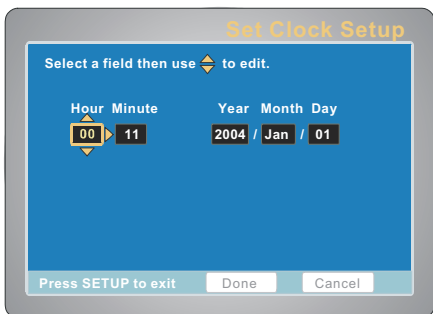
The SETUP Menu is carried out via the TV, it enable you to customize the DVD recorder to suit your paticular requirement. If the preferred options selected are not available on a disc, then the discs own preference will be used.

- Turn on the TV and select the appropriate video input to suit the connections to this unit. (Refer to your TV's owner manual.) Connect your DVD recorder to the TV as shown on page 9.
 - Press **■** before setting if the unit is receiving the TV program.
1. Switch power bottom on the back side to on and press **SETUP** in no disc mode or full stop mode.
 2. Use **◀/▶/▲/▼** to select item you want.
 3. Press **ENTER** on remote control to confirm the selection.
 4. To exit setup menu, press **SETUP** again.



Setting the clock

1. Press **SETUP** in no disc mode or full stop mode, "Menu" screen appears on the TV screen.
2. Press **▼** to select "Setup Menu", then press **ENTER** or **▶**, "Recording Setup" is highlighted.
3. Press **ENTER** or **▶** again, "Recording Setup" screen appears.
4. Press **▼** to select "Set Clock", then press **ENTER** or **▶**, "Set Clock Setup" screen appears.
5. Press **◀/▶/▲/▼** repeatedly (or number buttons) to set the date and time.
6. Press **▶** to select "Done" or "Cancel", and then press **ENTER**, "Recording Setup" returns.
7. To exit, press **SETUP**.
8. Press Standby/on to turn off the unit, the clock appears on the FL display.



Setting the channel

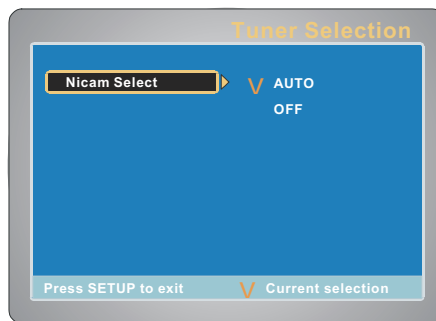
1. Press **SETUP** in no disc mode or full stop mode, "Menu" screen appears on the TV screen.
2. Press **▼** to select "Tuner Setup", then press **ENTER** or **▶**, "Watch TV" is highlighted.
3. Press **▲/▼** to select the item.

★ Watch TV

1. Select "Watch TV".
2. Press **ENTER** to enter TV mode, TV screen appears.
3. To return to DVD mode, press **▶/||** in remote control directly.

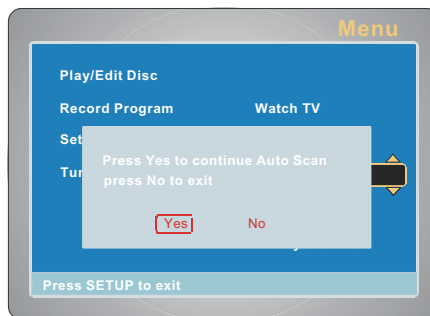
★ Nicam Select

1. Select "Tuner Selection".
2. Press **ENTER** or **▶**, "Tuner Selection" screen appears.
3. Press **ENTER** or **▶** to select the sub menu, then press **▲/▼** to select "AUTO" or "OFF".
4. Press **ENTER**, "V" appears.
5. Press **◀** repeatedly to return to "Menu" screen.



★ Auto CH Scan

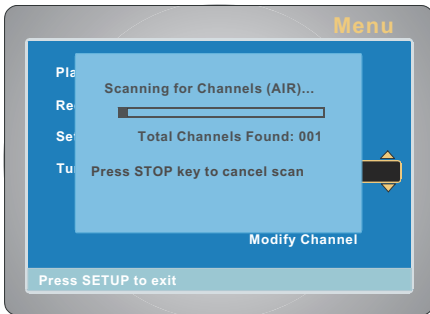
1. Select "Auto CH Scan".
2. Press **ENTER** or **▶**, a message screen appears.



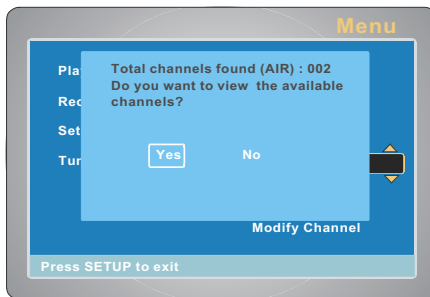
"Yes" is highlighted.

Note: If you want to cancel it, press **▶** to select "No", and then press ENTER.

3. Press ENTER, auto memory channel scanning screen appears and starts to memorize all the channels available in your area.



Please wait until the confirmation screen appears.



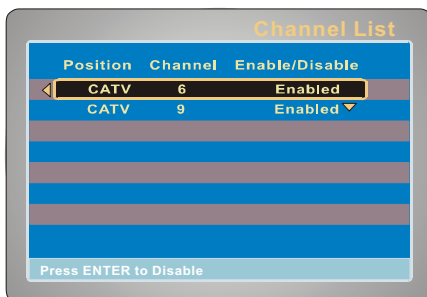
"Yes" is highlighted.

Note: If you don't want it, press **▶** to select "No", and then press ENTER.

4. Press ENTER, "Menu" screen appears.
5. Press **◀** to return to "Tuner Setup" screen.

★ Channel List

1. Select "Channel List".
2. Press ENTER or **▶**, "Channel List" screen appears.



Note: If you want to receive or not receive the channel, press **▲/▼** to select the channel, and then press ENTER, "Enabled" or "Disabled" appears.

3. Press **◀** to return to "Recording Setup" screen.

★ Modify Channel

1. Select "Modify Channel".
2. Press ENTER or **▶**, "Modify Channel" screen appears.
3. Press **▲/▼** to select the desired channel to be modified, then press **▶** to select the sub menu, "ADD Channel" is highlighted.
4. Press **▲/▼** to select "ADD Channel", "Fine Tuning" or "Delete Channel", and then press ENTER.

ADD Channel : The selected channel is added.

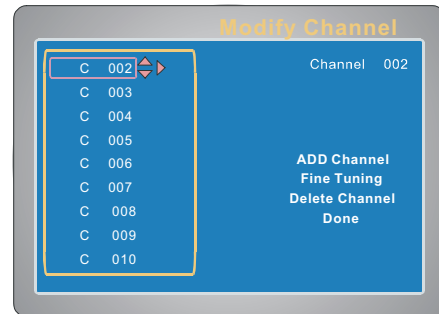
Fine Tuning : "Fine Tuning" screen appears.
Press **◀/▶** to adjust it.

Press **▼** to select "Done" and then press enter.

Delete Channel: The channel is deleted.

5. Repeat these steps as necessary.
6. After the setting is completed, select "Done" and then press enter, "Recording Setup" screen returns.

If you want to confirm the channel, open the "Channel List" screen (see the below column).



INITIAL SETTINGS

DVD Control

This is a setup for playing back DVD-Video discs.

(DVD Control → Disc Menu, Angle Mark, Audio, Subtitle & Parental Control)

1. Press SETUP in no disc mode or full stop mode, "Menu" screen appears on the TV screen.
2. Press ▼ to select "Setup Menu", then press ENTER or ►, "Recording Setup" is highlighted.
3. Press ▼ to select "DVD Control", then press ENTER or ►, "DVD Control Setup" screen appears.
4. Press ▲ / ▼ repeatedly to select the item.



★ Setting Disc Menu

1. Select "Disc Menu".
2. Press ENTER or ► to select the sub menu, then press ▲ / ▼ to select the desired language.
Note : **Disc** - The first priority language of the disc.
3. Press ENTER, "V" appears, the disc menu language is set.
4. Press ◀ to return to "Disc Menu".



★ Setting Angle Mark

To show the angle mark when playing back DVD-Video discs (recorded with multi-angle), select this setting.

1. Select "Angle Mark".
2. Press ENTER or ► to select the sub menu, then press ▲ / ▼ to select "ON" or "OFF".

3. Press ENTER, "V" appears.
4. Press ◀ to return to "Angle Mark".



★ Setting Audio

1. Select "Audio".
2. Press ENTER or ► to select the sub menu, then press ▲ / ▼ to select the desired language.
Note : **Disc** - The first priority language of the disc.
3. Press ENTER, "V" appears, the disc audio language is set.
4. Press ◀ to return to "Audio".



★ Setting Subtitle

1. Select "Subtitle".
2. Press ENTER or ► to select the sub menu, then press ▲ / ▼ to select the desired language.
Note : **Disc** - The first priority language of the disc.
3. Press ENTER, "V" appears, the disc subtitle language is set.
4. Press ◀ to return to "subtitle".

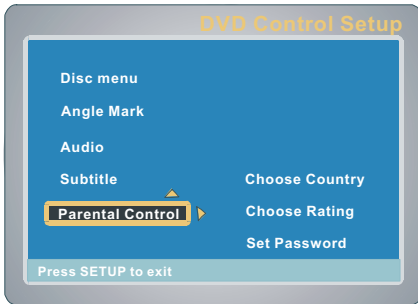


★ Setting Parental Control

Notes :

- "Password " is set to "3308 " before shipping from the factory.
- You may need extra instructions during the setting. If a message appears, please follow the instructions displayed on the TV screen.

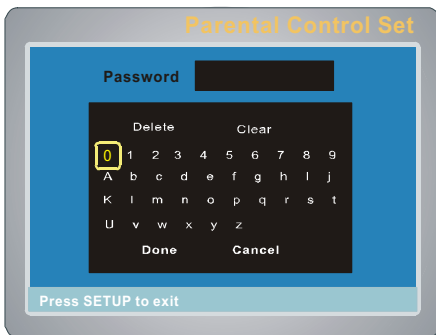
1. Select "Parental Control ".



2. Press ENTER or ► to select the sub menu, then press ▲ / ▼ to select "Choose Country" "Choose Rating "or "Set Password ".

Choose Country

1. Select "Choose Country ".
2. Press ENTER or ►, "Parental Control Set "screen appears.



3. Press ◀ / ▶ / ▲ / ▼ and press ENTER to enter the password.

Note : If you use this unit for first time, enter [3], [3], [0] and [8]. Because the initial password is set to "3308 " before shipping from the factory.
4. Press ▼ repeatedly to select "Done ".
5. Press ENTER , the Choose Country screen appears.

Parental Control

MPAA (Motion Picture Association of America) Guideline is a rating system that provides advanced cautionary information to parent about the content of movie programs.

The parental lock level is equivalent to the following MPAA Rating System.

- 1 G (General audiences)
- 3 PG (Parental guidance suggested)
- 4 PG-13 (Parents strongly cautioned)
- 6 PG-R (Restricted)
- 7 NC-17 (No one 17 and under admitted)
- 8 Adult
- No Parental

Some DVD-Video discs contain a restriction level which enables parents to prevent playback of discs by children. This unit is equipped with a password designed to prevent children changing the level.

You cannot play DVD-Video discs rated higher than the level you selected unless you cancel the parental lock function. For example, when you select "5 "level, the unit will not play discs with ratings of "6 " , "7 " , "8 " .

Note:

DVD video discs may or may not respond to the parental lock settings. Make sure this function works with your DVD video discs.

Until 2004 there are only a few DVD's on the market with parantel look. Please have look on the cover or booklet of your DVD.

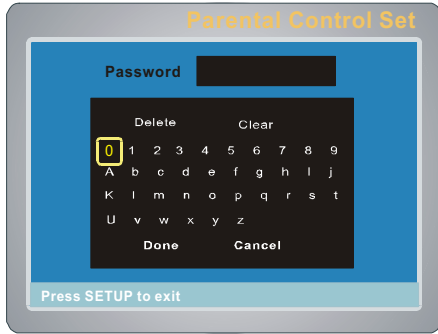


6. Press ENTER or ► to select the sub menu, then press ▲ / ▼ to select country.
7. Press ENTER, "V" appears.
8. Press ◀ twice to return to "DVD Control Setup "screen.

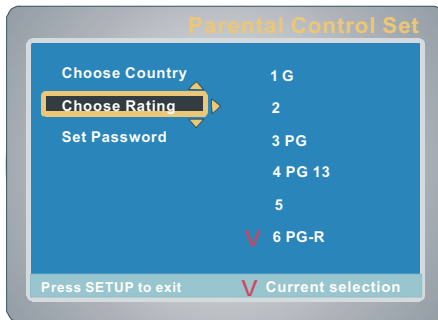
Choose Rating

1. Select "Choose Rating".
2. Press ENTER or ►, "Parental Control Set" screen appears.

Note : If you want to cancel the setting, select "Back" and press ENTER, "DVD Control Setup" screen returns.



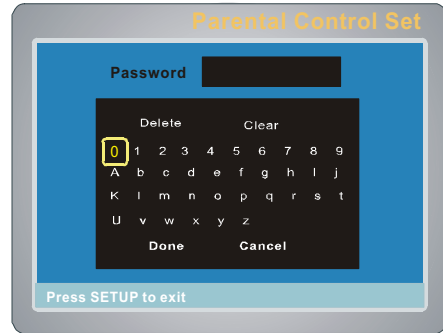
3. Press ◀/▶/▲/▼ and press ENTER to enter the password.
Note : If you use this unit for first time, enter [3], [3], [0] and [8]. Because the initial password is set to "3308" before shipping from the factory.
4. Press ▼ repeatedly to select "Done".
5. Press ENTER, the Choose Rating screen appears.



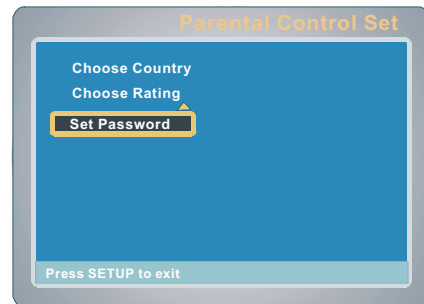
6. Press ENTER or ► to select the sub menu, then press ▲/▼ to select the parental lock level.
7. Press ENTER, "V" appears.
8. Press ◀ twice to return to "DVD Control Setup" screen.

Set Password

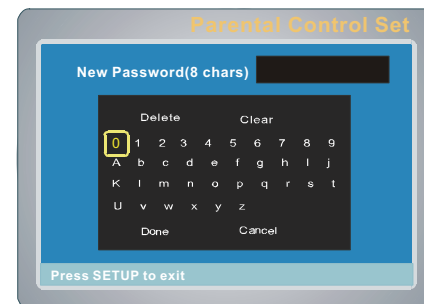
1. Select "Set Password".
2. Press ENTER or ►, "Parental Control Set" screen appears.



3. Press ◀/▶/▲/▼ and press ENTER to enter the password.
Note : If you use this unit for first time, enter [3], [3], [0] and [8]. Because the initial password is set to "3308" before shipping from the factory.
4. Press ▼ repeatedly to select "Done".



5. Press ENTER, the parental lock level screen appears.
6. Press ▼ to select "Set Password".
7. Press ENTER, the New Password screen appears.



8. Press ◀/▶/▲/▼ and press ENTER to enter the password. (maximum 8 characters or numbers).
9. Press ▼ repeatedly to select "Done".
10. Press ENTER, the Confirm Password screen appears.
11. Press ▲ to return to the character list, then enter the same password as above.
12. Press ▼ repeatedly to select "Done", then press ENTER, the new password is set.
13. Press ◀ twice to return to "DVD Control Setup" screen.
14. To exit, press SETUP.

General

This is on-screen language setting. In this instruction manual, the language in on-screen display is English.

If you change the language, please follow the selected language in on-screen display.

(General → Menu Language , Screen Saver , Factory Defaults)

1. Press SETUP in no disc mode or full stop mode, "Menu" screen appears on the TV screen.
2. Using ▼ to select "Setup Menu ", then press ENTER or ► , "Recording Setup" is highlighted.
3. Press ▼ to select "General", then press ENTER or ► , "General Setup" screen appears.
4. Press ▲ / ▼ repeatedly to select the item.

★ Setting Menu Language

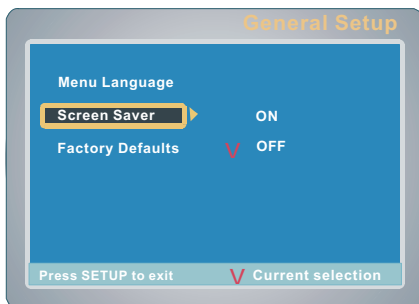
1. Select "Menu Language".



2. Press ENTER or ► to select the sub menu, then press ▲ / ▼ to select the desired language.
3. Press ENTER, "V" appears, the menu language is set.
4. Press ◀ to return to "Menu Language".

★ Setting Screen Saver

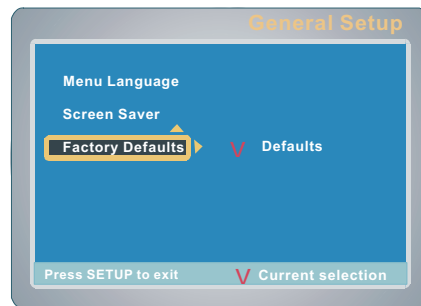
1. Select "Screen Saver".



2. Press ENTER or ► to select the sub menu, then press ▲ / ▼ to select "ON" or "OFF".
3. Press ENTER, "V" appears.
4. Press ◀ to return to "Screen Saver".

★ Setting Factory Defaults

1. Select "Factory Defaults".



2. Press ENTER or ► to enter "Defaults".
Note : If you want to select factory defaults ,press ENTER, If you want to keep current setting, press ◀ to return.
3. Press ◀ to return to "Factory Defaults".

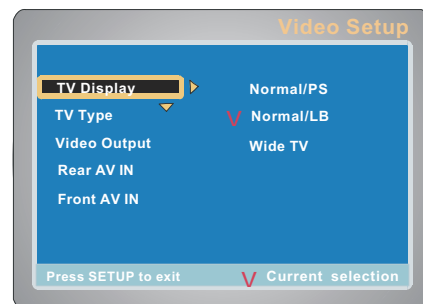
Video

(Video → TV Display , TV Type, Video Output, Rear AV IN, Front AV IN)

1. Press SETUP in no disc mode or full stop mode, "Menu" screen appears on the TV screen.
2. Press ▼ to select "Setup Menu ", then press ENTER or ► , "Recording Setup" is highlighted.
3. Press ▼ to select "Video ", then press ENTER or ► , "Video Setup" screen appears.
4. Press ▲ / ▼ repeatedly to select the item.

★ Setting TV Display

1. Select "TV Display"
2. Press ENTER or ► to select the sub menu, then press ▲ / ▼ to select the appropriate setting for your TV screen size.



★ Normal/PS (Panscan)

Select when a conventional TV set is connected. When the wide screen disc is played back, it displays pictures cropped to fill to your TV screen. The left and right edges are cut off.

★ **Normal/LB (Letterbox)**

Select when a conventional TV set is connected.
When the wide screen disc is played back, the black bands appear at the top and bottom of screen.

★ **Wide TV**

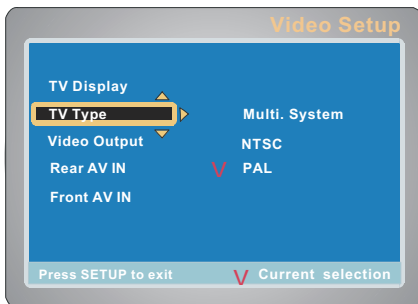
Select when a wide screen TV set is connected.
Played in FULL size. (Setting the wide screen TV to FULL mode is also necessary.)

Notes:

- The screen size may differ depending on the DVD vide discs.
 - If you select Wide TV to get rid of the black bands on screen when wide screen disc is played back, picture may be slightly distorted.
 - In some discs, even if Normal/PS is selected, the black bands may remain on the screen.
3. Press ENTER, "V" appears, the TV display is set.
 4. Press ◀ to return to "TV Display".

★ **Setting TV Type**

1. Select "TV Type".



2. Press ENTER or ▶ to select the sub menu, then press ▲ / ▼ to select the appropriate setting for your TV screen size.

★ **Multi. System**

Select this if the connected TV set is compatible with both NTSC and PAL (multi system). The output format will be consistent with the video signal of the disc.

★ **NTSC**

Select this if the connected TV set is NTSC system.
It will change the video signal of a PAL video disc and output to NTSC system.

★ **PAL**

Select this if the connected TV set is PAL system.
It will change the video signal of an NTSC disc and output to PAL format.

3. Press ENTER, "V" appears, the TV type is set.
4. Press ◀ to return to "TV Type".

★ **Setting Video Output**

1. Select "Video Output".
2. Press ENTER or ▶ to select the sub menu, then press ▲ / ▼ to select output mode.
3. Press ENTER, "V" appears.
4. Press ◀ to return to "Video Output".
5. To exit, press SETUP.

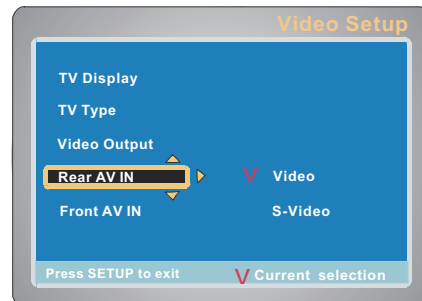


When the 1st AV input (AV1 IN) or 2nd AV input (AV2 IN) jacks are connected, you must set as follows:

(AV Select → Rear AV IN & Front AV IN)

★ **Setting Rear AV IN and Rear AV IN**

1. Select "Rear AV IN" or "Front AV IN".
Rear AV IN : When AV1 IN jacks are used
Front AV IN : When AV2 IN jacks are used
2. Press ENTER or ▶ to select the sub menu.
3. Press ▲ / ▼ to select "Video" or "S-Video" input jack.
Video : Using VIDEO input jack
S-Video : Using S-VIDEO input jack



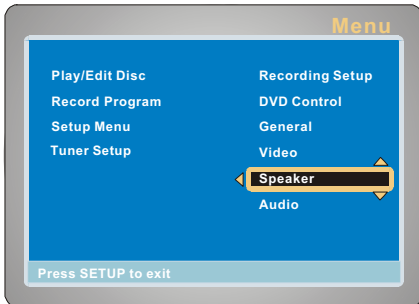
4. Press ENTER, "V" appears.
5. Press ◀ to return to "Rear AV IN" or "Front AV IN".
6. Repeat steps 1 ~ 5 as necessary.
7. To exit, press SETUP.

Speaker

If you are using a separate 5.1/7.1 digital receiver in this case is here nothing to do. This speaker installation description is only for 5.1 receiver connected with 6 RCA-connectors. See also page 10.

(Speaker —> Down Mix, Center, Rear, Subwoofer, Center Delay, Rear Delay, Speaker Test)

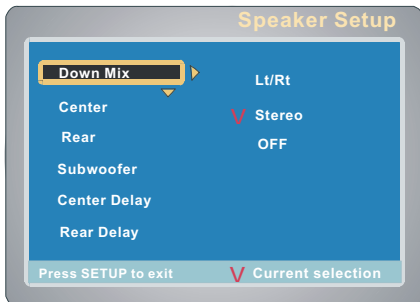
1. Press **SETUP** in no disc mode or full stop mode, "Menu" screen appears on the TV screen.
2. Press **▼** to select "Setup Menu", then press **ENTER** or **▶**, "Recording Setup" is highlighted.
3. Press **▼** to select "Speaker", then press **ENTER** or **▶**, "Speaker Setup" screen appears.



★ Setting Down Mix

To play a DVD disc recorded with surround multi-channel audio correctly, select either one according to your audio system.

1. Select "Down Mix".
2. Press **ENTER** or **▶** to select the sub menu, then press **▲ / ▼** to select the desired item.
3. Press **ENTER**, "V" appears, the disc down mix is set.
4. Press **◀** to return to "Down Mix".

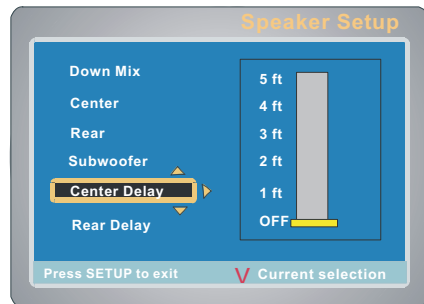


★ Setting Center, Rear, Subwoofer

1. Select "Center", "Rear" or "Subwoofer".
2. Press **ENTER** or **▶** to select the sub menu, then press **▲ / ▼** to select the "ON" or "OFF".
3. Press **ENTER**, "V" appears.

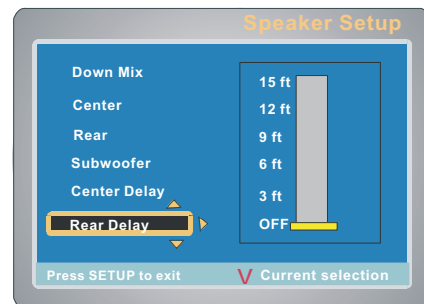
★ Setting Center Delay

Selects the Center Channel Delay time for Dolby Digital audio. The Options are 5 ft, 4 ft, 3 ft, 2 ft, 1 ft off.



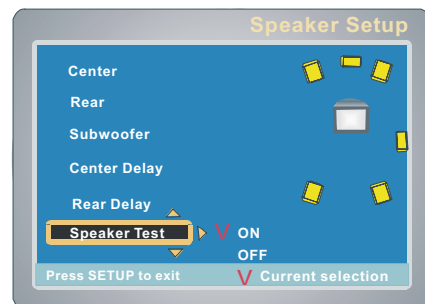
★ Setting Rear Delay

Selects the Rear Channel delay time for Doby Digital audio. The Options are 15 ft, 12 ft, 9 ft, 6 ft, 3 ft off.



★ Speaker Test

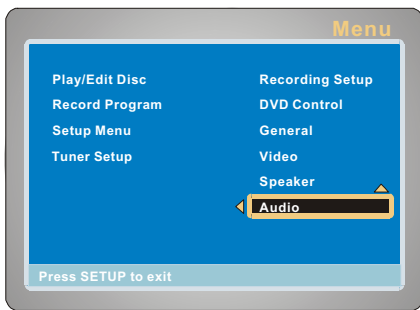
Selects the Speaker Test and listening to the sound from front right, center, front left, subwoofer, rear left, rear right speaker.



Audio

(Audio → Digital Out & Dynamic Compress & Pro Logic)

1. Press **SETUP** in no disc mode or full stop mode, "Menu" screen appears on the TV screen.
2. Press **▼** to select "Setup Menu", then press **ENTER** or **▶**, "Recording Setup" is highlighted.
3. Press **▼** to select "Audio", then press **ENTER** or **▶**, "Audio Setup" screen appears.

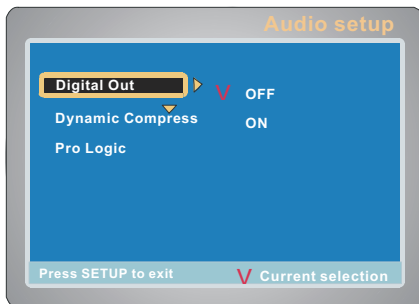


★ Setting Digital Out

Digital output selection enables you to switch on or off the digital output. The Default setting is OFF.

If you are using a separate 5.1/7.1 digital receiver you have to switch on the digital output.

1. Select "Digital out".
2. Press **ENTER** or **▶** to select the sub menu, then press **▲/▼** to select "OFF" or "ON".
3. Press **ENTER**, "V" appears.

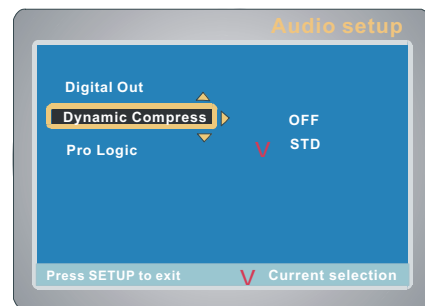


4. Press **◀** to return to "Digital out".

★ Setting Dynamic Compress

Selects the dynamic compress to fit the listening situation of the audience.

1. Select "Dynamic Compress".
2. Press **ENTER** or **▶** to select the sub menu, then press **▲/▼** to select "OFF", "ON".
 - OFF: Off position
 - ON: When connecting the amplifier to the AUDIO OUT jacks (not DIGITAL AUDIO OUT jacks)



3. Press **ENTER**, "V" appears.
4. Press **◀** to return to "Dynamic Compress".
5. To exit, press **SETUP**.

★ Setting Pro Logic

1. Select "Pro Logic".
2. Press **ENTER** or **▶** to select the sub menu, then press **▲/▼** to select "ON" or "OFF" or "Auto".



3. Press **ENTER**, "V" appears.
4. Press **◀** to return to "Pro Logic".
5. To exit, press **SETUP**.

Recording

This TARGA DVD recorder is making your life more convenient and more colorful. You can make a record for the programmes what you are interested in.

For your first start please use the empty DVD+RW which is part of this recorder.

Preparations

- Turn on the TV and select the video input source. Refer to your TV's owner manual.
- Switch the power bottom on the back panel of your DVD recorder to ON.
- Check that the disc has enough available space for recording.
- Do not touch the disc tray while it is moving.
- Never place anything except a disc on the disc tray. Foreign objects can damage the unit.
- Do not apply excessive force to the disc tray.
- Only one disc must be placed on the disc tray at a time.
- Only blank oneself recorder DVD can be used.

1. Press STANDBY/ON to turn the unit on.
 - "TARGA" logo appears on the TV screen.
 - "POWER ON" → "LOADING" → "NO DISC" appears on the FL display.

2. Press OPEN/CLOSE to open the disc tray.
 - "OPEN" appears on the TV screen.

Note : To open or close the disc tray , be sure to press OPEN/CLOSE . Do not press the disc tray with your hand.

3. Place a DVD+/-RW or DVD+/-R disc (label facing up) to be recorded on the disc tray.
4. Press OPEN/CLOSE again to close the disc tray.
 - If a blank disc is used for first time, "TARGA" logo screen remains.
 - If the disc is recorded once before, a title menu screen may appear.
 - "DVD RW" (or "DVD") and "SP" (or "HQ", "LP", "EP" or "EP+") appear on the FL display.
 - Blank DVD+RW may take a while longer before "STOP" disappears on the TV screen.

Recording Setup

This is a setup for recording on a DVD+/-RW or DVD+/-R disc. (Recording Setup → Recording Quality & Auto Chapter)

1. Press SETUP in no disc mode or full stop mode, "Menu" screen appears on the TV screen.
2. Press ▼ to select "Setup Menu", then press ENTER or ►, "Recording Setup" is highlighted.
3. Press ENTER or ► again, "Recording Setup" screen appears.



★ Setting Recording Quality

1. Select "Recording Quality".
2. Press ENTER or ► to select the sub menu, then press ▲ / ▼ to select the desired quality.

Recording Quality	Record time (minutes)
HQ :	60
SP (Standard mode) :	120
LP :	180
EP :	240
EP+ :	360

Note :

HQ is the best quality and very close to a original DVD, SP quality is very close to a S-VHS and a normal VHS recorder, LP quality is a little bit worse than a normal VCR recorder. (This note gives only a clue)

- The record times are an estimate and actual times may differ.
- The record time may differ depending on the recording conditions.
 - Recording a program with poor reception, or a program or video source of low picture quality
 - Recording on a disc that has already been edited
 - Recording only a still picture or just sound

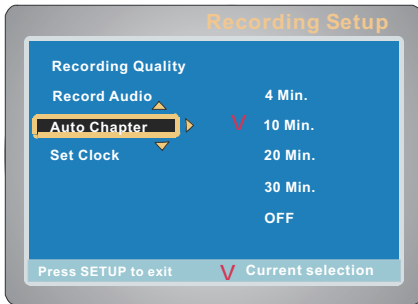


3. Press ENTER, "V" appears, the Recording Quality is set.
4. Press ◀ to return to "Recording Quality".

★ Setting Auto Chapter

When recording starts, the chapters in the title are made automatically on the disc by this setting.

1. Select "Auto Chapter".
2. Press ENTER or ► to select the sub menu, then press ▲ / ▼ to select the desired time.



3. Press ENTER, "V" appears.
4. Press ◀ to return to "Auto Chapter".
5. To exit, press SETUP.

Recording TV Programs

Before pressing TV, select the **Recording Quality** ("HQ", "SP", "LP", "EP" or "EP+") first by setting "Recording Setup" or by pressing REC MODE on the remote control and set **Auto Chapter**.

1. Press TV to receive the TV program, "MONITOR" appears briefly on the TV screen (indicating the DVD recorder is searching the input signal which you want to record.).
2. To select the channel, do one of the following :
 - Press CHANNEL + or -.
 - Press the number button(s).Examples:
 - To select Channel 6: Press [6].
 - To select Channel 12: Press [1] and [2].
 - To select Channel 110: Press [1], [1] and [0].The channel number appears on the FL display.
3. Press RECORD ● on the unit to start recording.
 - "RECORDING" appears briefly on the TV screen.
 - Elapsed recording time appears on the TV screen.
 - The REC indicator lights.

Recording continues until you stop the recording or the disc is full.

Note :
Press DISPLAY repeatedly until the elapsed recording time disappears on the TV screen, if necessary.

4. To stop recording
 - Press ■ during recording.
 - Please wait until "CLOSING" → "PLEASE WAIT..." → "STOP" disappears on the TV screen.

Note :

It takes a while to complete closing the disc. You may not watch TV program while closing.

A title menu screen appears on the TV screen.

- The TV program is recorded on the disc.
- The additional recording information is also stored on the disc.

Then the recording is completed.

Notes :

- You cannot change the channel or record mode during recording.
- The record time is estimate and actual time may differ.
- Recording makes on open space on the disc. Data will not be overwritten.
- You cannot record a program with copy-protection.

★ To watch another TV while recording

Press SOURCE repeatedly to select TV source on the screen.

- "TV" appears on the FL display.
- Use your original TV remote control to select the channel on your TV.

Note :

If you do not want to watch TV while recording, you can turn off the TV. If using a cable box, make sure to leave it on.

Timer Recording

The program timer switches the unit on and off to record a TV program at a preset time. Use programmed recording to automatically start and start recording at a later date. The DVD recorder will switch to the right program number and begin recording at the correct time.

1. Set the record program(s) first.

(Record Status→Record Time, Frequency , VPS, Input Source, Channel, Quality & Title)

Note : The clock must be set before this setting.

- Press **SETUP** in no disc mode or full stop mode, "Menu" screen appears on the TV screen.
- Press **▼** to select "Record Program", then press **ENTER** or **▶**, "Record Show" is highlighted.
- Press **ENTER** or **▶**, "Record Show" screen appears.



- Press **▲/▼** to select the item (Record Time, Frequency, VPS, Input Source, Channel, Quality & Title)

☆ Setting Record Time

Note : If you have set "Record Show" already, open "Record List" to check the list. Remove the unnecessary program from the list first.

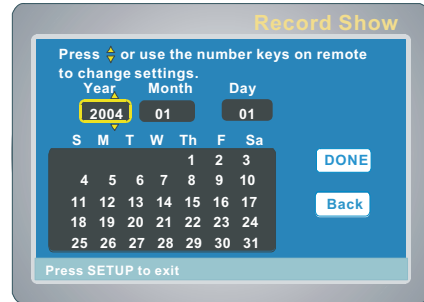
- Select "Record Time".
- Press **ENTER**, the start and end time screen appears.



- Press **▲/▼** (or the number buttons on the remote control) to set the start and end times and press **◀/▶** to move the cursor.
- Press **▶** to select "DONE", then press **ENTER**, the record time is set. The "Record Show" screen returns.

☆ Setting Frequency

- Select "Frequency".
- Press **ENTER**, the Record Show screen appears.
- Press **▲/▼** to select the "Once" or "Repeat".
- If select "Once", Press **ENTER**, then the calendar screen appears.

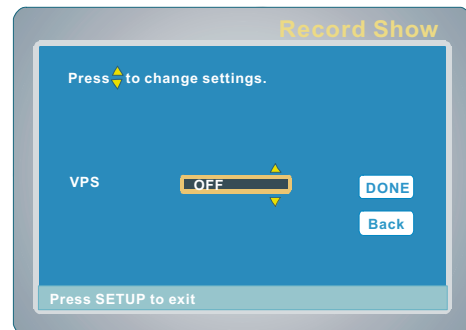


- Press **▲/▼** (or the number buttons on the remote control) to set the record date and press **◀/▶** to move the cursor.
- If select "Repeat", Press **ENTER**, then the week screen appears.
- Press **▶** to select "DONE", then press **ENTER**, the record date is set. The "Record Show" screen returns.



☆ Setting VPS

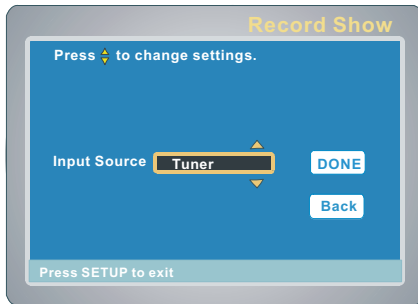
- Select "VPS".
- Press **ENTER**, the VPS screen appears.



- Press **▲/▼** to select "ON" or "OFF".
- Press **ENTER** or **▶** to select "DONE", then press **ENTER**, the recording VPS is selected. The "Record Show" screen returns.

☆ Setting Input Source

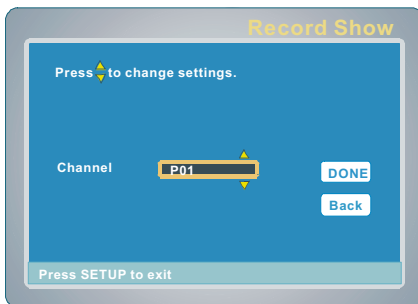
1. Select "Input Source".
2. Press ENTER, the Input Source screen appears.



3. Press ▲ / ▼ to select "Tuner", "Scart Video", "Scart RGB", "Rear AV" or "Front AV".
4. Press ENTER or ► to select "DONE", then press ENTER, the recording input source is selected. The "Record Show" screen returns.

☆ Setting Channel

1. Select "Channel".
2. Press ENTER or ►, a message screen appears.



3. Press ENTER, then the "Record Show" screen returns.

☆ Setting Quality

1. Select "Quality".
2. Press ENTER, the Quality screen appears.



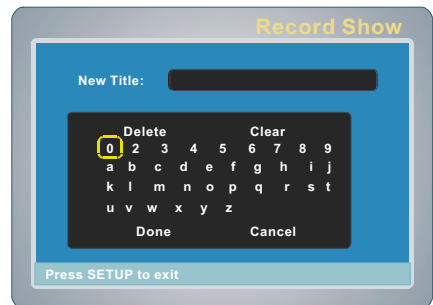
3. Press ▲ / ▼ to select "HQ(1hr)", "SP(2hr)", "LP(3hr)", "EP(4hr)" or "EP+(6hr)".
4. Press ENTER or ► to select "DONE", then press ENTER, recording quality is set. The "Record Show" screen returns.

☆ Setting Title

1. Select "Title".
2. Press ENTER, title screen appears.



3. Press ENTER again, new title screen appears.



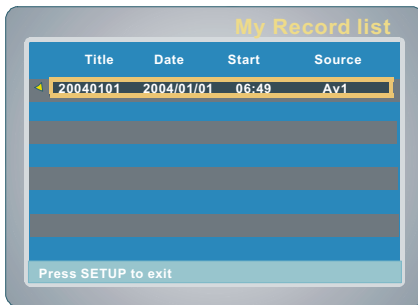
4. Press ◀ / ▶ / ▲ / ▼ to select the letter or number, then press ENTER.
5. Repeat steps 4 to make a title name (up to 10 characters).
Note: If you make a mistake, select "Delete" or "Clear", and press ENTER.
 - Delete: Every time ENTER is pressed, the last character of the title name is deleted.
 - Clear: ENTER is pressed, the title name is cleared at once.

- Press ▼ to select "DONE", then press ENTER, title screen returns. The new title name appears.
- Press ► to select "Cancel", then press ENTER, The "Record Show" screen returns.

☆ After all the item setting are completed, press ▼ to select "Done" and then press ENTER. (If you want to cancel it, select "Cancel" and then press ENTER.)

2. Recording List

- Press SETUP in no disc mode or full stop mode, "Menu" screen appears on the TV screen.
- Press ▼ to select "Record Program", then press ENTER or ►, "Record Show" is highlighted.
- Press ▼ to select "My Record List", "My Record List" screen appears.

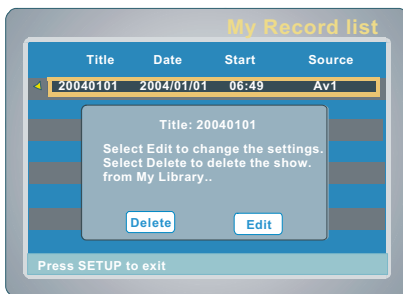


☆ If the list is correct...

- Press ◀ to return to the previous screen.
- To exit, press SETUP.

☆ If you want to delete or edit it...

- Press ▲ / ▼ to select the item you want to delete or edit.
- Press ENTER, a message appears on the screen.



- Do one of the followings:

Delete :

- ◆ Select "Delete".
- ◆ Press ENTER, the confirmation screen appears.
- ◆ Select "Confirm".
- ◆ Press ENTER, "My Record List" screen returns.

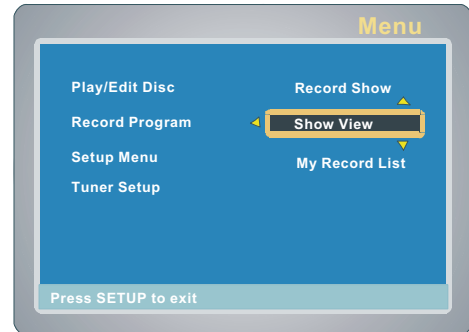
Edit :

- ◆ Select "Edit".
- ◆ Press ENTER, "Edit My Record List" screen appears.
- ◆ Edit the items again.

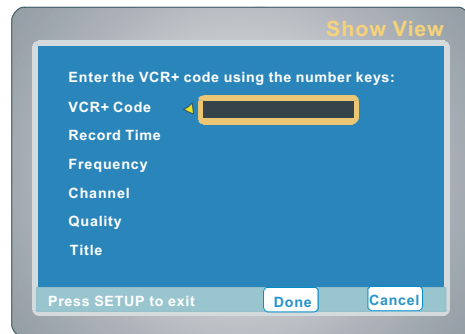
- Press ◀ to return to the previous screen.
- To exit, press SETUP.

3. Show View

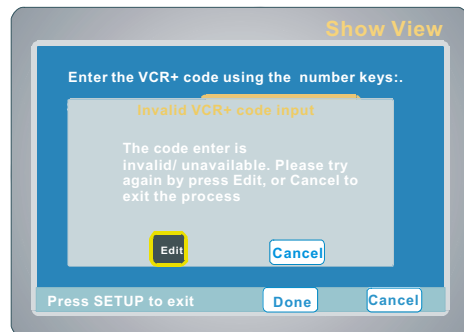
- Press SETUP in no disc mode or full stop mode, "Menu" screen appears on the TV screen.



- Press ▼ to select "Show View", then press ENTER or ►
- "Show View" screen appears.



- Press ◀, a message screen appears.



- Press ENTER or ►, then the "Menu" screen returns.

Note: To ensure a full working show view function don't make any change in parental control country settings

Timer Recording (Continue)

4. Press STANDBY/ON to turn the power off.

Recording standby mode is set.

- The present time and appear on the FL display.
- When the timer ON time arrives, the power turns on automatically and recording starts.
- When the timer OFF time arrives, the power turns off automatically and it is set to the standby mode.

Notes :

- If there is not enough space on the disc, as much of the program as possible will be recorded on the disc.
- Be sure to check and/or change the disc after every timer recording has been completed.

Recording from an External Equipment (VCR, etc.)

- Connect a VCR or other equipment to the AV1 IN or AV2 IN jacks first.
- Select "Video" or "S-Video" in "AV Select" screen.

1. Load the disc.
2. Press SOURCE repeatedly to select "VIDEO1 IN", or "VIDEO2 IN" for the equipment you have connected.
 - "VIDEO1 IN" or "VIDEO2 IN" appears on the FL display.
3. Start playback on the other equipment.
4. Press RECORD ● at the point you want to start recording.
 - Recording starts.
5. To pause recording
Press ► / || during recording and press it again to restart recording.
6. To stop recording
 - Press ■ during recording.
 - Please wait until "CLOSING" → "PLEASE WAIT..." → "STOP" disappears on the TV screen.

Note :

It takes a while to complete closing the disc. You may not watch TV program while closing.

CAUTION:

Almost all videos and DVD softwares on sale have a copy protection. You cannot record them using this unit.

One Touch Recording (OTR)

Use this function to make a one touch recording which means that the recording quality is not needed to set for record. During the recording you are allowed to press the RECORD button on your remote control or on the front panel to have a duration of recording from 30 minutes to 360 minutes.

In this one touch recording mode each pressing Record button can add 30 minutes to your record. While the longest duration time in this mode is 360 minutes in EP+ quality.

Playback Features

★ Preparations

1. When you complete all the connections, plug the AC power cord of the player.
2. Switch Power in back panel to ON.
3. Press STANDBY/ON to switch ON the main power.
3. Press Source to select the input source.
4. Press OPEN/CLOSE to open the disc tray, insert a disc into the tray, then press it again to close the disc tray.
5. Press TV or AV receiver to increase or decrease the volume level.
6. Press MUTE to shut off the sound. To restore the volume, press it again.

★ Start or Pause Playback

- Press ► / ||.
- To pause playback, press ► / || again.

Note : Some discs will start playing automatically, and others will display the menu on the TV screen. use the ◀ / ▶ / ▲ / ▼ to select the track, or press the number keys (0 ~ 9, +10) to go to the desired track/chapter.

★ Stopping Playback

For DVD / DVD+/-RW / DVD+/-R

- Press ■ once during playback.
1. "PRESS PLAY TO CONTINUE" appears briefly on the TV screen.
 2. When you press PLAY/ PAUSE, playback starts automatically from the point where you stopped. "PLAY" appears briefly on the TV screen.

Note : Some discs may not resume playback.

- Press ■ twice during playback.
1. "STOP" appears briefly on the TV screen and playback stops completely.
 2. When you press PLAY/PAUSE, playback starts from the beginning of the disc.

For VCD / CD / MPEG4

- Press ■ once during playback. The unit stops completely.

★ Fast Playback

1. Press ◀◀ or ▶▶ to do fast reverse or fast forward search. Each time the button is pressed, the playback speed changes as follows:
 - For DVD / DVD+RW / DVD+R discs
▶▶ fast forward : FF2X, FF 4X, FF 6X, FF 8X(4 steps).
◀◀ fast reverse : FR 2X, FR 4X, FR 6X, FR 8X(4 steps).
 - For VCD / CD / MPEG4 discs
▶▶ fast forward : FF 2X, FF 4X, FF 8X, FF 16X(4 steps).
◀◀ fast reverse : FR 2X, FR 4X, FR 8X, FR 16X(4 steps).
2. Press ► / || to return to normal playback.

★ Skip Playback

During playback press [◀◀/▶▶] repeatedly during playback to skip to previous or next track/chapter.

★ Slow Motion Playback

1. During playback, press **SLOW** ▶ repeatedly to select the forward (or reverse) slow speed playback.
The playback speed changes as follows :
 - For DVD / DVD+/- RW / DVD+/-R / MPEG4 discs
SF2X → SF4X → SF8X → PLAY → 6R2X → SR4X → SR8X → PLAY → SF2X →...
2. Press **PLAY/PAUSE** ▶ / || to return to normal playback.

★ Step Playback (Frame by Frame Advance Playback)

For DVD-Video / DVD+/-RW / DVD+/-R / MPEG4 discs

1. During playback, press **Step** repeatedly to view playback frame by frame. Each time the button is pressed, the picture advances one frame.
2. Press ▶ / || to return to normal playback.

★ Repeat Playback

Press **REPEAT** during playback (or programmed playback) of the title (or track) you want to repeat. Each time the button is pressed , the repeat mode will be changed as follows :

- For DVD / DVD+/-RW / DVD+/-R discs
CHAPTER REPEAT ON:
Repeat of the chapter being played
TITLE REPEAT ON:
Repeat of the title being played
REPEAT OFF
Normal playback mode
- For VCD / CD discs
REP-ONE:
Repeat of the track being played
REP-ALL:
Repeat all tracks
REPEAT OFF:
Normal playback mode

★ A-B Repeat Playback

This function can play a specific section in a chapter/track repeatedly.

1. Press **A - B** at the starting portion you want.
2. Press **A - B** again at the end portion you want. The specific section will now repeat continuously.
3. Press **A - B** the third time to return to normal playback.

Notes :

- The A and B can be set only within the same chapter/track.
- After performing repeat play, be sure to press the STOP button . Otherwise , the disc will play continuously.

★ Using DVD TITLE menu

Some DVDs may contain two or more titles. If the disc has a title menu recorded on it, you can start playback from the selected movie title.

1. Press **TITLE** , The title menu screen will appear (if the disc contains it).
2. Press ◀ / ▶ / ▲ / ▼ (or the number buttons) to select the desired menu.
3. Press **ENTER** to playback the selected menu.

★ Using MENU/PBC

- For VCD / CD discs
Press this button to turn the MENU ON or OFF.
 1. The system will set the PBC function to ON automatically and showing PBC menu.
 2. Press **MENU/PBC** to switch PBC OFF(If the disc is playing, the playback will stop), using numeric key (0~9, >10) to select the track you want to playback.

- For DVD / DVD+/-RW / DVD+/-R disc
Press this button to make the playback go back to the title menu of disc. "ROOT MENU " will appear on OSD for 2 seconds.

Note : When the PBC is set to ON , you can not use the numeric buttons to select track directly.

★ Return (Go back to the menu screen)

Press **RETURN** when playing a VCD disc with PBC .The Go BACK TO MAIN PAGE is shown on the TV screen, and then the menu appears.

★ GOTO (Title, Chapter, Track or Time search)

This function allows you to start playing at any title, chapter, track or time on the disc.

- For DVD / DVD+/-RW / DVD+/-R discs
 1. Press **GOTO**.
 2. Press ◀ / ▶ to select TITLE or CHAPTER search or press **GOTO** again to enter time search.
eg :TITLE 01 / 28 CHAPTER 015 / 035
TITLE 01 / 02 TIME — : — : —
 3. Use numeric key (0~9, >10) to input the specific title, chapter or elapsed playing time at which you want to begin playback.
 4. Press **ENTER**.

- For VCD / CD discs
 1. Press **GOTO**.
 2. Use numeric key (0~9, >10) to input the specific elapsed playing time at which you want to begin playback.
eg : GOTO — : —

★ Display the playback information

You can check information about the disc, such as the total number of the titles or chapters or tracks or time, using the Display function. The information you want appears on the TV screen or/and on the front panel display.

When playing back a DVD / DVD+/-RW / DVD+/-R

1. Press **DISPLAY** repeatedly to show the relative information on TV screen. (The display will disappear after a few seconds.)

```
TITLE 02 / 05  CHAPTER 001 / 006
00 : 34 : 56
↓
TITLE REMAIN
00 : 34 : 56
↓
CHAPTER ELAPSED
00 : 01 : 23
↓
CHAPTER REMAIN
00 : 03 : 21
```

2. Press **DISPLAY** again, the information display is off.

Note : Depending on the DVD, the title number or chapter number or time may not appear or you may not be able to change the display. The GOTO/DISPLAY function for VCD discs only available for PBC OFF mode.

When playing back a VCD or CD

1. Press **DISPLAY** repeatedly to show the relative information on TV screen. (The display will disappear after a few seconds.)

```
SINGLE ELAPSED
00 : 01 : 23
↓
SINGLE REMAIN
00 : 03 : 21
```

2. Press **DISPLAY** again, the information display is off.

★ Subtitle (Selecting Subtitle Language)

This operation works only with discs on which multiple subtitle languages are recorded.

1. Press **SUBTITLE** repeatedly during playback to select the different subtitle language.
2. If the subtitle language is not necessary, press **SUBTITLE** to select "SUBTITLE OFF".

Notes :

- In some cases, the subtitle language is not changed to the selected one.
- When a disc supporting closed caption is played, the subtitle and the closed caption may overlap each other on the TV screen. In this case, turn the subtitle off.
- When the desired language is not selected even if the button is pressed, the language is not available on the disc.
- When the power is turned on or the disc is replaced , select the subtitle language again.

★ AUDIO (Selecting Audio Soundtrack Language)

This operation works only with discs on which multiple audio soundtrack languages are recorded.

Press **AUDIO** repeatedly during playback to select the desired audio language appears on the TV screen.

Notes :

- When the desired language is not selected even if the button is pressed, the language is not available on the disc.
- When the power is turned on or the disc is replaced, select the language again.
- If the language is not recorded on the disc, only the available language on the disc will be heard.

★ Language

when the playing disc is DVD story disc with multi- language, you can press this button repeatedly to select the preferred language for audio recorded.

Notes :

- You cannot switch languages if there is only one language recorded on the disc.
- The maximum number of audio languages stipulated by the manufacturers is 8/8.

★ Zooming

This function allows you to enlarge the picture on the TV screen and to pan through the enlarged image.

1. Press **ZOOM** repeatedly to select a zoom factor as below:

```
ZOOM x 1.5
↓
ZOOM x 2
↓
ZOOM x 3
↓
ZOOM OFF
```

2. To pan through the enlarged image, press ◀ / ▶ / ▲ / ▼ buttons to move the zoomed picture left, right, up or down.

★ Angle (Viewing from a Desired Camera Angle)

- Some DVD-Video discs may contain scenes which have been shot simultaneously from a number of different camera angles.
- The jacket or case of discs that are recorded with angles will be marked.
- For these discs, the same scenes can viewed from each of the different angles.

Press the **ANGLE** button to change the scenes from one angle to other angle(s).

For example: 1/4, 2/4, 3/4, 4/4.

★ Intro play mode

This function allows you to scan playback all of the tracks with 8 seconds for VCD & 10 seconds for CD of each track.

1. Press **■** to stop playback.
2. Press **INTRO** to switch intro function ON.
3. Press **▶/||** to start intro playback.
4. To stop intro playback, press **■**.
5. To cancel intro playback, in stop mode to press **INTRO** to switch off.

★ Shuffle playback

You can playback CD tracks in random order.

1. Press **■** to stop playback.
2. Press **SHUFFLE** to turn on shuffle function..
3. Press **▶/||** to start shuffle playback.
4. To stop shuffle playback, press **■**.
5. To cancel shuffle playback, press **SHUFFLE** to switch off.

★ Programmed Playback

You can play the contents of the disc in the order you want by programming the order of the tracks to be played. UP to 99 tracks can be stored.

This function is only available in VCD/CD mode.

1. Press **■** to stop playback.
2. Press **PROGRAM** to enter program mode.
 - "PROGRAM P00:00 "appears on the TV screen.
 - "PROG" icon appears on the FL display.
3. Use the number buttons (**0 ~ 9, +10**) to input the track number in the order you want.
 - "PROGRAM PXX:YY "appears on the TV screen.
 - The Track No. "YY " is set to the No. "XX " program.
Note : If you make a mistake, press **CLEAR** to eliminate the number you have input.
- 4 Repeat step 3 as above to select other tracks.
5. Press **▶/||** to start programmed playback.
 - When all programmed selections have been played, the unit stops automatically.

- The programmed contents are retained in memory. If press **▶/||** again, programmed playback starts again.
6. To stop programmed playback, press **■**.
 7. To cancel programmed playback, press **■** again.

★ Sleep timer setting

The sleep timer enables the system to switch to standby mode automatically at a preset time.

- Press **SLEEP** repeatedly to select a preset time as following:

30(minutes) → 60 → 90 → 120 → OFF → 30 ..

★ Activation /Deactivating Progressive Scan mode

The Progressive-Scan display presents 60 complete frames per second, rather than 30 frames per second of interlaced scanning (ordinary normal TV system). With nearly double the numbers line, progressive scan offers higher picture resolution and eliminates bothersome motion artefacts those japped edges on moving objects.

To enjoy the full quality potential offered by progressive scan feature, a progressive scan TV is required.

1. Change Program mode to DVD mode .
2. Press **N/P** switch on /off progressive scan mode.

Note : The progressive scan video quality is only possible through Pr/Pb/Y video output connection.

★ MP3 CD Playback

1. Load the disc with the label facing up on the disc tray.
 - "SmartNAVI "screen appears.



2. Press **▲/▼** to select the folder or file, and press **ENTER** or press number buttons to select the file.
 - If the folder is selected, the file menu of the selected folder appears.
 - If the file is selected, the selected file playback starts. ("Play "appears briefly on the TV screen).
3. Repeat step 2 to select the file in the folder, if necessary.

Stopping Playback

- Press **■** during playback.
- "Stop "appears briefly on the TV screen.

Pause

- Press **▶/||** during playback.
- "Pause "appears briefly on the TV screen and "|| "appears on the FL display.
- Press **▶/||** again to return to normal playback.

File Skip

- Press **I◀◀/▶▶I** repeatedly during playback to skip to previous or next file.

Repeat Playback

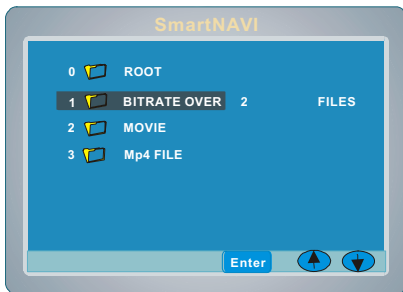
- Press **REPEAT** in the stop mode.
- Each time the button is pressed, the repeat mode will be changed as follows.
Rep-one --> Folder Repeat --> Disc --> Disc Repeat -->Disc Scan --> Single --> Folder --> Rep-one -->...

To Display the Elapsed Playing Time

- Press **DISPLAY** in the stop mode.
- Each time the button is pressed, various playing time appears.
"Chapter Elapsed " and elapsed playing time
"Chapter Remain " and remaining playing time
"OFF "

★ MPEG4 Playback

1. Load the disc with the label facing up on the disc tray.
- "SmartNAVI "screen appears.



2. Press **▲/▼** to select the folder or file, and press **ENTER** to select the file.
- If the folder is selected, the file menu of the selected folder appears.
- If the file is selected, the selected file playback starts.
("Play "appears briefly on the TV screen).
3. Repeat step 2 to select the file in the folder, if necessary.

Note : During playback , you can operate it as "Playback Features "(Page 25~28).

★ KODAK Picture CD Playback

With KODAK Picture CD, it's easy to turn film into pictures you can email from your PC and view on this unit.

1. Press **OPEN/CLOSE** to open the disc tray.
 2. Load the disc with the label facing up on the disc tray.
 3. Press **OPEN/CLOSE** again to close the disc tray.
- If you press **▶/||** during the slide show, the slide show stops temporarily. "Pause " appears. Press **▶/||** again to resume the slide show.
 - If the picture appears upside down, sideways, etc. Press **◀/▶/▲/▼** as follows:
 - ▶ : Rotate it 90 degrees clockwise.
 - ◀ : Rotate it 90 degrees counterclockwise.
 - ▲ : Change it to the vertically reversed image picture.
 - ▼ : Change it to the mirror reversed image picture.
 - If you press **◀◀/▶▶** during the slide show, it skips to the next picture or previous picture.
 - To stop the slide show, press **■**. The thumbnail pictures appear.
 - After the last picture has been displayed, the thumbnail pictures appear on the TV screen.

To start the slide show from the thumbnail pictures

1. Press **◀/▶/▲/▼** to move the cursor to the desired picture.
- To go to the next or previous thumbnail pictures, press **▶▶** or **◀◀**.
2. Press **ENTER** (or **▶/||** (Play)) to start the slide show from the selected picture.

★ JPEG CD Playback

You can also view digital images from JPEG files on disc created by your computer.

1. Load the disc with the label facing up on the disc tray.
2. Press **▲/▼** to select the folder or file, and press **ENTER** or press number buttons to select the file.

The slide show starts

- If you press **▶/||** during the slide show, the slide show stops temporarily. "Pause " appears. Press **▶/||** again to resume the slide show.
- If the picture appears upside down, sideways, etc. Press **◀/▶/▲/▼** as follows:
 - ▶ : Rotate it 90 degrees clockwise.
 - ◀ : Rotate it 90 degrees counterclockwise.
 - ▲ : Change it to the vertically reversed image picture.
 - ▼ : Change it to the mirror reversed image picture.
- If you press **◀◀/▶▶** during the slide show, it skips to the next picture or previous picture.
- To stop the slide show, press **■**. The thumbnail pictures appear.

★ KODAK Picture CD / JPEG Picture Zoom

1. Press **■** at the desired picture.
2. Press **ZOOM**. "ZOOM ON " appears briefly on the TV screen.
3. Press **◀◀/▶▶** to select the desired picture size.
4. To return to the original size, press **ZOOM** again.
"ZOOM OFF "appears briefly on the TV screen.

★ DivX Playback

1. Load the disc with the label facing up on the disc tray.
- “SmartNAVI” screen appears.



2. Press ▲ / ▼ to select the folder or file, and press **ENTER** to select the file.
- If the folder is selected, the file menu of the selected folder appears.
- If the file is selected, the selected file playback starts. (“Play” appears briefly on the TV screen).
3. Repeat step 2 to select the file in the folder, if necessary.

Note : During playback , you can operate it as “Playback Features”(Page 26~28).

To rent (purchase) DivX VOD files

DivX VOD files are similar to DVD video rental discs. The difference lies in the access to the media. DivX VOD files are downloaded after paying a rental from certain commercial web sites. Prior to down-loading a VOD you need to input the registration number of your DVD recorder on the purchase form of the site.

You can use the DivX(R) Registration code that allows you to rent and purchase videos using the DivX Registration service. Follow the instructions below to find the registration number of your recorder.

For more information, please visit www.divx.com

1. Press **SETUP** in no disc mode or full stop mode, “Menu” screen appears on the TV screen.
2. Using **→** to select “Setup Menu”, then press **ENTER** or **↵**, “Recording Setup” is highlighted.
3. Press **→** to select “General”, then press **ENTER** or **↵**, “General Setup” screen appears.



4. Press **→** to select “DIVX(R) Registration”, then press **ENTER** or **↵**, “DIVX Registration Page” appears.



5. Write down this VOD 8-character registration number in order to fill in the form on the web site you purchase your DivX VOD files from.

Note :

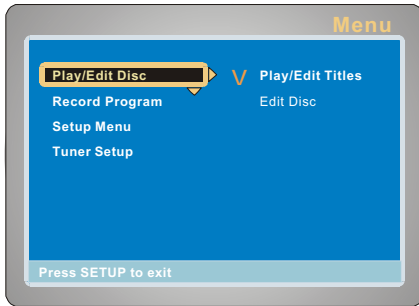
If you can not play a DivX VOD file recorded on a CD-R disc after downloading it, the rental period allocated during purchasing from the web site may have expired. It may also be that the recorded file is not compatible with your player because of different versions or incorrect download parameters. The parameters used during the copying to CD-R may also be a cause. Since it is not possible here to supply all the information, parameters and advice relating to the use of DivX VOD files, we recommend that you visit specialised web site such as www.divx.com/vod.

Managing the disc contents

When a recording is made to disc, the following information is also stored at the beginning of the recording:

- Name of the recording. If the TV station does not transmit a name, only the channel number and time will be stored as the name.
- Length of the recording.
- Recording quality.
- Date of the recording.

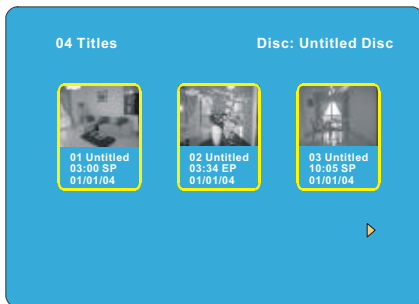
1. Press **SETUP** in full stop mode, "Menu" screen appears on the TV screen, "Play/Edit Disc" is highlighted.



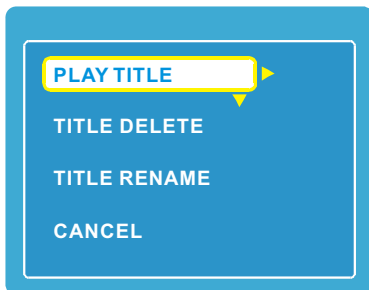
2. Press **ENTER** or **▶** to select the sub menu,

Playing/Edit Titles

1. Select "Play/Edit Titles" in "Menu" screen, then press **ENTER**, "TITLE MENU" appears briefly on the TV screen. The title menu screen appears.



2. Press **▲/▼** to select the TITLE first.
3. Press **EDIT**, the edit screen appears.



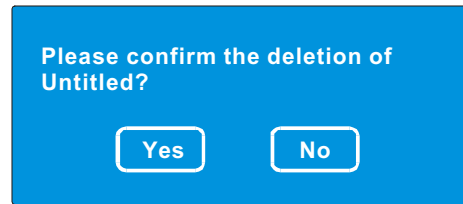
4. Press **▲/▼** to select the item.

★ PLAY TITLE (DVD+/-RW & DVD+/-R)

Select "PLAY TITLE", then press **ENTER**, the selected title starts playback.

★ TITLE DELETE (DVD+/-RW)

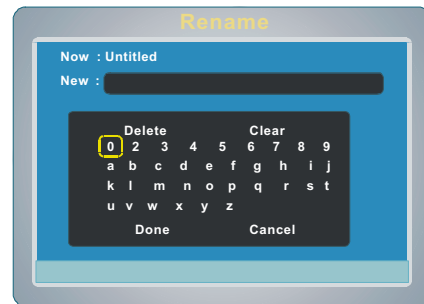
1. Select "TITLE DELETE", then press **ENTER**, a message appears.



2. Press **◀** to select "Yes".
Note : If it is not necessary, select "No" and then press **ENTER**.
 3. Press **ENTER**, then please wait until "PLEASE WAIT..." disappears on the TV screen.
- The title menu (with "DELETED") screen returns.

★ TITLE RENAME (DVD+/-RW & DVD+/-R)

1. Select "TITLE RENAME", then press **ENTER**, "Rename" screen appears.



2. Press **◀/▶/▲/▼** to select the letter or number, then press **ENTER**, the character appears in the box.
 3. Repeat steps 2 to make the new title name (up to 10 characters).
Note : If it is not necessary, select "Cancel" and press **ENTER**. If you make a mistake, select "Delete" or "Clear", and press **ENTER**.
- Delete : Every time **ENTER** is pressed, the last character of the title name is deleted.
 - Clear : **ENTER** is pressed, the title name is cleared at once.
4. Press **▼** to select "Done", then press **ENTER**, wait until "PLEASE WAIT..." disappears on the TV screen.
 - The title menu (with "RENAME") screen returns.
 5. To exit, press **SETUP**.

Edit Disc

1. Select "Edit Disc" in "Menu" screen, then press **ENTER**, "Disc Operations" screen appears.

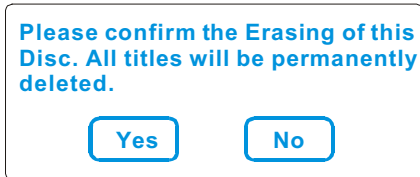


2. Press **▲/▼** to select the item.

★ Erase Disc (DVD+/-RW)

You can erase all titles on the disc, but the disc name and format will remain the same.

1. Select "Format Disc" then press **ENTER**, a message appears.



2. Press **←** to select "Yes".
Note : If it is not necessary, select "No" and then press **ENTER**.
 3. Press **ENTER** to start to erase, then please wait until erasing is finished.
- "Disc Operations" screen returns.

★ Finalize Disc (DVD+/-R)

After you finalize the disc, you can play the disc on other DVD players. It can be used as DVD-Video disc. But it is not guaranteed.

CAUTION :

After you finalize a DVD+R disc, you cannot edit or record on the disc. Finish all the editing before you start to finalize the disc.

1. Select "Finalize Disc" then press **ENTER**, a message appears.
 2. Press **←** to select "Yes".
Note : If it is not necessary, select "No" and then press **ENTER**.
 3. Press **ENTER** to start to finalize, then please wait until finalizing is finished.
- "Disc Operations" screen returns.

Notes :

- This unit may not be able to finalize the disc if it was recorded on other DVD recorders or PCs.
- You do not need to finalize the disc again once the disc has been finalized with this unit.
- Depending on the condition of the disc, recording, or the unit, discs may not be played even if the discs are finalized.

★ Rename Disc (DVD+/-RW & DVD+/-R)

You can enter up to 10 characters for a disc name.

1. Select "Rename Disc", then press **ENTER**, "New Disc Name" screen appears.

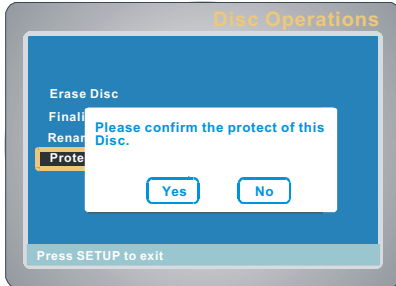


2. Press **←/→/▲/▼** to select the letter or number, then press **ENTER**, the character appears in the box.
 3. Repeat steps 2 to make the new title name (up to 10 characters).
Note : If it is not necessary, select "Cancel" and press **ENTER**. If you make a mistake, select "Delete" or "Clear", and press **ENTER**.
- Delete : Every time **ENTER** is pressed, the last character of the title name is deleted.
 - Clear : **ENTER** is pressed, the title name is cleared at once.
 - 4. Press **▼** to select "Done", then press **ENTER**, wait until "Rename disc. Please wait..." disappears on the TV screen.
 - "Disc Operations" screen returns.

★ Protect Disc (DVD+/-RW)

You can protect a disc from accidental erasure or editing.

1. Select "Protect Disc" then press **ENTER** , a message appears.



2. Press **←** to select "Yes".
Note : If it is not necessary, select "No" and then press **ENTER**.
3. Press **ENTER**.
A message appears.

Finalize the disc information
Please wait.....

- "Disc Operations " screen returns.
- "Protect Disc "is change to "Unprotect Disc ".
- 4. Press **←** , "Menu "screen returns.
- 5. To exit, press SETUP.

Troubleshooting Guide

If you experience any of the following difficulties while using the system, use this troubleshooting guide to help you remedy the problem. While any problem persists, consult the TARGA Hotline. The telephone number you will find on warranty card.

Heading	Symptom	Possible Cause	Correction	
General	• No Power	• The power cord is disconnected.	• Plug the power cord into the wall outlet.	
		• The power switch on the back side is off	• Switch the power switch on the back side to on	
	• No information on display, red light (close to O/I switch) is on	• The O/I switch is off	• Press O/I button	
	• The power is on, but the DVD player does not work.	• No disc is inserted.	• Insert a disc. (Check that the DVD or audio CD indicator in the display window is lit.)	
	• Language not readable	• Wrong language	• Change language	
Picture	• No picture.	• The TV is not set to receive DVD signal output.	• Select the appropriate video input mode on the TV (YUV, RGB, S-Video or Video)	
		• The video cable is not connected securely.	• Connect the video cable securely	
		• No picture because of Progressive scan is on.	• Push the N/P button on the remote, or go to the OSD menu and switch to Progressive Scan off	
	• Distorted picture	• Sometimes a small amount of picture distortion.	• This is not a malfunction	
		• Looks like a double picture because of Progressive scan is on.	• Push the N/P button on the remote, or go to the OSD menu and switch to Progressive Scan off	
		• Wrong picture set up (4:3 or 16:9)	• Set TV and DVD-Recorder to the same picture size.	
	• Noise (interference) appears in the picture.	• DVD-Recorder is not connected directly with the TV, copy protection of DVD is in use	• If video from this system has to go through your VCR to get to your TV, the copy-protection applied to some DVD programs could affect picture quality. If you still experience problems after checking your connections, please try connecting your DVD recorder directly to your TV.	
Audio general	• No sound.	• The equipment connected with the audio cable is not set to receive DVD signal output.	• Select the correct input mode of the audio receiver so you can listen to the audio cable.	
		• The power of the equipment connected with the audio cable.	• Turn on the equipment connected with the video cable	
		• The Audio options are set to the wrong position.	• Set the Digital Audio Output to the right correct position, then turn on the recorder again by pressing Standby/On.	
		• Volume to low	• Adjust volume	
	• Severe hum or noise is heard.	• Electric interferences	• Check that the speakers and components are connected securely.	• Check that the connecting cords are away from a transformer or motor, and at least 3 meters away from a TV or fluorescent light.
			• Move your TV away from the audio components.	• The plugs and jacks are dirty. Wipe them with a cloth slightly moistened with alcohol.
Audio 5.1	• No sound on loud speakers.	• 5.1 connectors from recorder not 1:1 linked to optional 5.1 Receiver	• Connect cable as described in the operating manual	
		• Load speakers directly connected with DVD-Recorder	• Check the load speakers on active base, if not use a 5.1 Receiver	

Heading	Symptom	Possible Cause	Correction
Audio Digital	• No sound on optional digital receiver.	• Optical or RCA cable are not connected to receiver	• Connect optical or RCA cable from DVD recorder to Receiver
		• Input source on Receiver not linked with connectors	• Switch receiver to digital Input source
		• Receiver or/and recorder not set to DTS or Dolby Digital Sound	• Switch Receiver and recorder (Audio Selection) to DTS or Dolby Digital
Remote control	• The remote control does not work properly.	• The remote control is not pointed at DVD-Recorder	• Point the remote control to the remote sensor on recorder
		• The remote control is too far from the DVD-Recorder	• Operate the remote control closer to the DVD-Recorder
		• The batteries in the remote control are empty	• Replace the batteries
		• The batteries in the remote control are not in the right position	• Replace the batteries to the right +/- signs
DVD/VCD /CD- Playback	• The DVD-Recorder does not start playback.	• An unplayable disc is inserted.	• Insert a playable disc. (Check the disc type, colour system, and regional code.)
		• The rating level is set.	• Cancel the rating function or change the rating level.
		• Dirty/Scratched DVD/CD	• Clean DVD/CD
		• DVD-Audio (24bit/96Kbit) or SAC-CD.	• This DVD's are not supported by this player
		• DIVX DVD (Version 6.x or greater)	• Check on TARGA Homepage for possible Firmware Upgrade
	• DVD-/RW is not finalized	• Finalize DVD-/RW on this DVD-Recorder	
	• No skip function possible.	• DVD/VCD/CD have not chapter/index or blocked	• Some medias have only some or no chapters/index, no solution.
DVD/VCD- Playback	• No or wrong language in subtitle.	• Subtitle setup is not right	• Change in subtitle menu
DVD- Playback	• Only one camera angle available.	• DVD has only one camera angle	• Most DVD's have only one angle, no solution
DVD Recording	• Bad picture quality after recording	• - Recording time to long - DVD dirty	• - Change Recording time to lower time - Clean the DVD
Operation	• Buttons do not work.		• Switch the power switch on the back side off, wait 5 seconds and then on
	• Parental function is blocking the player.	• Forgot parental password	• Use the Master Password 3308 (See "Parental Control" page 15.)

A firmware-upgrade is possible. Please take a look at the service sites of www.targa-online.com

Attention: You lose the warranty, if you use a firmware of other sources

Maintenance

WARNING:

FOR YOUR PERSONAL SAFETY, BE SURE TO DISCONNECT THE AC POWER CORD BEFORE PROCEEDING WITH ANY MAINTENANCE OR CLEANING.

Cleaning the cabinet

Use a clean soft cloth moistened with plain lukewarm water and wrung dry. Never use benzol, benzene or other strong chemical cleaners since these could damage the finish of your unit. It is important that no liquid reaches the inside of the unit.

Specifications

Playable discs

DVD+/-RW
DVD+/-R
DVD-VIDEO
VIDEO CD
Audio CD (CD-DA)
MP3 CD
MPEG4
Kodak Picture CD
DivX video

Recordable discs

DVD+/-RW
DVD+/-R

Video recording format

DVD+R, DVD+RW, DVD-R, DVD-RW Video Format

Audio recording format

MPEG Audio

Recording time (DVD+/-RW, Version 1.2)

HQ: Approx. 60 minutes
SP (Standard mode): Approx. 120 minutes
LP: Approx. 180 minutes
EP: Approx. 240 minutes
EP+: Approx. 360 minutes

TV system

PAL/SECAM standard system

Tuner channel range

VHF: 2-13
UHF: 14-69
CATV: 1-125

RF converter

Built-in VHF converter

Time indication

24-hour system

Timer

1 year/15-event programmable

Outputs

COMPONENT VIDEO OUT :
Y: 1.0 Vp-p (75 .)
PB: 0.7 Vp-p (75 .)
PR: 0.7 Vp-p (75 .)
VIDEO: 1.0 Vp-p (75 .)
S-VIDEO:
Y: 1.0 Vp-p (75 .)
C: 0.286 Vp-p (75 .)
DIGITAL AUDIO:
Optical & Coaxial
AUDIO (L/R):
2 V rms

Inputs

AV1 IN :
VIDEO: 1.0 Vp-p (75 .)
S-VIDEO:
Y: 1.0 Vp-p (75 .)
C: 0.286 Vp-p (75 .)
AUDIO (L/R): 2 V rms
AV2 IN :
VIDEO: 1.0 Vp-p (75 .)
S-VIDEO:
Y: 1.0 Vp-p (75 .)
C: 0.286 Vp-p (75 .)
AUDIO (L/R): 2 V rms

Power requirements

230V- 50 Hz

Power consumption

28 Watts

Standby By Pass

Receive and then export signal in standby mode

Stand By Mode

Attention: This DVD player has power consumption in standby mode. In order to avoid any power consumption use the power switch on the back side.

Accessories

Scart cable (1), Video cable (1), Audio cable (1), Remote control(1), Batteries(2)

Attention! Dispose worn-out batteries not with your domestic waste. Please contact your local government for disposal practices in your area.

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