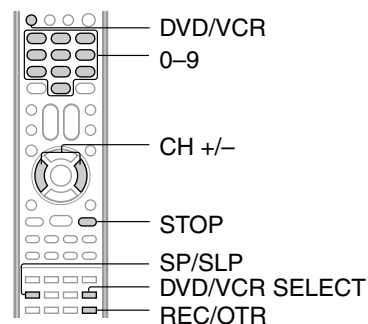


One-touch Timer Recording (OTR)

The One-touch Timer Recording feature provides a simple and convenient way to make a timed recording.



One-touch Timer Recording (OTR)

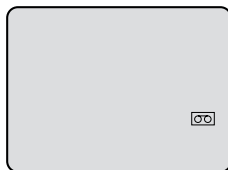
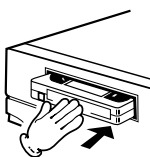
Preparation:

- Turn ON the TV and select to the corresponding video input.
- Press **DVD/VCR** to operate the DVD/VCR.
- Press **DVD/VCR SELECT** to select the VCR mode. (The VCR indicator will light.)

Example: One-touch Timer Recording for 30 minutes.

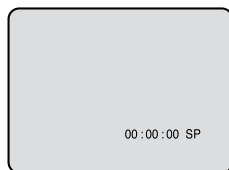
1 Load a cassette tape with the erase prevention tab intact.

The VCR will automatically turn on.



2 Press SP/SLP to select the desired tape speed SP or SLP.

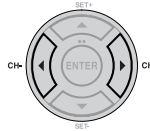
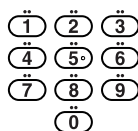
The tape counter and "SP" or "SLP" will appear on the screen for about 4 seconds.



3 Set "TV" or "CABLE" option to the appropriate position [32].

TV - VHF/UHF channels
CABLE - Cable TV channels

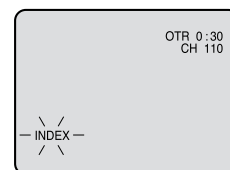
4 Press Direct channel selection buttons (0-9) or CH +/- to select the channel to be recorded.



5 Press REC/OTR. Recording begins. Press the button again to stop recording after 30 minutes. Each additional press of REC/OTR will increase recording time as shown in the chart below, up to a maximum of 6 hours.

The OTR and recording time will appear on the screen for about 4 seconds. And, "●" will appear on the display.

Press	Recording time	Press	Recording time
once	NORMAL REC	6 times	3:00
twice	0:30	7 times	4:00
3 times	1:00	8 times	5:00
4 times	1:30	9 times	6:00
5 times	2:00	10 times	NORMAL REC



To cancel OTR

Press **STOP** or turn off the power.



"■" will appear on screen for about 4 seconds.

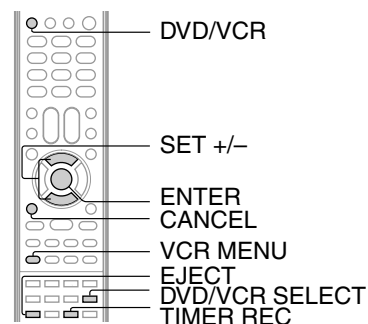
Note:

If you wish to watch the DVD playback during OTR or standard recording, press **DVD/VCR SELECT** to change to DVD mode and perform the DVD playback [47].

Recording (VCR)

Timer recording

Timer recording can be programmed on-screen with the remote control. The built-in timer allows automatic unattended recording of up to 8 programs within 1 month.



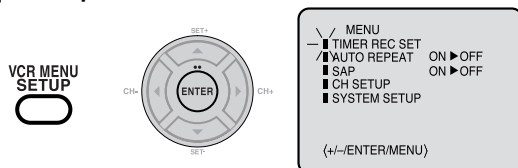
Timer recording

Preparation:

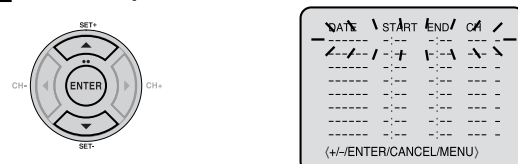
- Press **DVD/VCR** to operate the DVD/VCR.
- Press **DVD/VCR SELECT** to select the VCR mode.
- Load a cassette tape with the erase prevention tab intact.
- Check the time and date are correct [29].

Example: Program a timer recording for the 26th day, channel 125 (Cable TV), 11:00 - 11:30 PM on timer program number 1 (Tape speed: SLP).

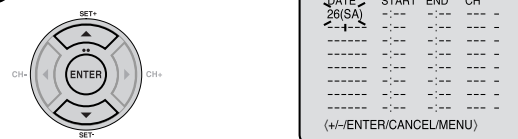
1 Press VCR MENU. Select "TIMER REC SET", then press ENTER.



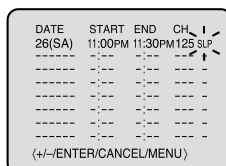
2 Press SET + or – to select one of the program line, then press ENTER.



3 Press SET + or – to select the date, then press ENTER.



4 Set the start time, end time, channel and tape speed as in step 3.



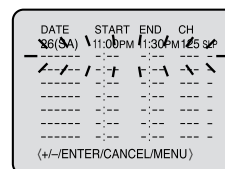
Notes:

- Press **CANCEL** to move cursor backward for correction.
- To record from external source set the channel to "L1" or "L2".

5 To enter other programs, repeat steps 2 through 4.



- To return to the normal screen, press **VCR MENU** twice.



6 Press TIMER REC. The timer symbol (⏏) will appear on the display and the VCR standby for recording.



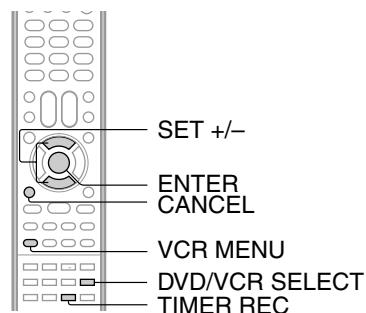
At the same time, VCR mode will change to DVD mode automatically. You can use DVD even if the VCR is in the timer recording mode. If you do not use the DVD, turn the power off.

Notes:

- The timer recording will start at 5 seconds before the preset starting time.
- If the timer symbol (⏏) does not appear on the display when **TIMER REC** is pressed, the cassette is not inserted [34].
- If the cassette is ejected when **TIMER REC** is pressed, the erase prevention tab of the cassette may have been removed [34].
- During Timer recording, the power cannot be turned off.

Notes:

- If the timer symbol (⏏) blinks when the timer recording ended, the TV program has not been completely recorded because of an insufficient tape length. Press **TIMER REC** to cancel the timer program or press **EJECT** to remove the cassette tape.
- During timer recording standby mode, the VCR mode cannot be operated. To use the VCR, press **TIMER REC** at first, then press **DVD/VCR SELECT** to change to VCR mode. After VCR mode is selected, press **TIMER REC** again to put the VCR into timer recording standby mode.
- If you press **TIMER REC** during timer recording, the recording operation will be interrupted. If you press **TIMER REC** again within the programmed time, the recording operation will start again.
- After a power failure or disconnection of the power plug, all programmed recording settings and time display will be lost upon resumption of power. In this case, reset the clock [29] and reprogram any timer recording.



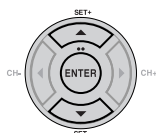
To set daily/weekly timer

Weekly (e.g. WKL-TU: each Tuesday) or daily (e.g. MO-SA: Monday to Saturday) Timer recording

Follow the procedure of timer recording on page 42. At step 3, press **SET +** or **-** repeatedly until the desired setting appears. Then press **ENTER**.

When you press **SET -** repeatedly, the DATE indicator will change as follows, in this case the day is Friday.

The current day (Friday) → SU-SA (Sunday to Saturday)
 ↓
 One month later minus one day
 ↓
 MO-SA (Monday to Saturday)
 ↓
 MO-FR (Monday to Friday)
 ↓
 WKL-TH (Weekly Thursday)
 ↓
 WKL-WE (Weekly Wednesday)



DATE	START	END	CH
WKL-WE	---	---	---
---	---	---	---
---	---	---	---
---	---	---	---
---	---	---	---
---	---	---	---
---	---	---	---
---	---	---	---
---	---	---	---
---	---	---	---
(+/-/ENTER/CANCEL/MENU)			

To confirm or cancel a program

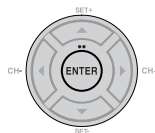
1 If the Timer has been activated, press TIMER REC to deactivate the Timer.

The timer symbol (⏰) will disappear. Then press **DVD/VCR SELECT** to change to VCR mode.



2 To confirm Timer program:

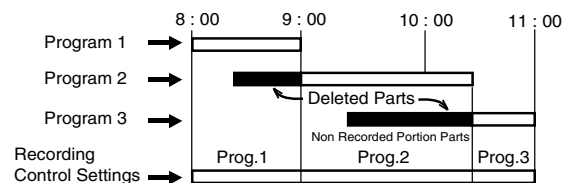
At step 1 on page 42, select "TIMER REC SET" and press **ENTER**. The timer program list will appear on the screen.



DATE	START	END	CH
26(SA)	11:00PM	11:30PM	125SP
---	---	---	---
---	---	---	---
---	---	---	---
---	---	---	---
---	---	---	---
---	---	---	---
---	---	---	---
---	---	---	---
---	---	---	---
(+/-/ENTER/CANCEL/MENU)			

If the programs overlap another

Do not overlap timer programs as portions of the conflicting programs will be lost. The first recording time has priority over the next recording time as shown in the diagram below.

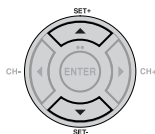


Notes:

- The daily/weekly recording can be made continuously until the recording is canceled or the tape reaches the end.
- During timer recording the automatic rewinding mechanism does not function.

3 To cancel Timer program:

Press **SET +** or **-** to select the unwanted program, then press **CANCEL** to cancel the program.



DATE	START	END	CH
---	---	---	---
---	---	---	---
---	---	---	---
---	---	---	---
---	---	---	---
---	---	---	---
---	---	---	---
---	---	---	---
---	---	---	---
---	---	---	---
(+/-/ENTER/CANCEL/MENU)			

4 Press VCR MENU repeatedly until the menu screen is cleared.

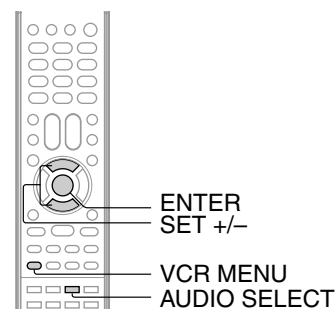


Notes:

- If there are other timer record programs remaining, **TIMER REC** must be pressed to reactivate the timer, otherwise the remaining timer record programs will be ignored.
- You cannot confirm the Timer program during timer recording operation.
- You can correct or cancel a programmed setting in program confirm mode.

Recording (VCR)

Stereo recording and playback/ Second Audio Program (SAP)



Stereo recording and playback

The VHS Hi-Fi audio system permits high fidelity recording of MTS STEREO TV broadcasts.

When a MTS STEREO broadcast is received, "STEREO" will appear on the screen for about 4 seconds and the program can be viewed or recorded in stereo. The Hi-Fi stereo recording procedure is the same as for normal recordings.

STEREO

Note:

When using a Cable TV system, stereo TV programs may be transmitted over a mono cable channel. In this case "STEREO" will not appear and the sound will be in mono.



Output selection

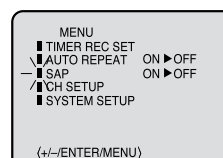
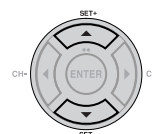
When viewing an MTS stereo TV program, or playing a prerecorded VHS Hi-Fi stereo videotape, press **AUDIO SELECT** to select how the audio will be heard through the speakers. Normally set to the Hi-Fi stereo position, this button can be set to the MONO position if the stereo broadcast or videotape audio is of poor quality. The "R" and "L" positions allow the audio from the Right or Left Hi-Fi channel to be heard over both TV speakers. This button has no effect when viewing a MONO videotape or TV program. Each time when you press the button, OUTPUT SELECTION display appears on the screen for several seconds. Refer to the chart below.

OUTPUT SELECTION	SOUND HEARD ON BOTH SPEAKERS
STEREO	STEREO
L ch	LEFT CHANNEL AUDIO
R ch	RIGHT CHANNEL AUDIO
MONO	MONO

Second Audio Program (SAP)

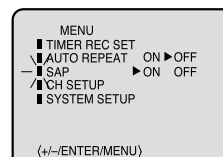
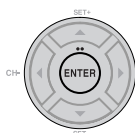
Your DVD/VCR is fitted with a SAP broadcast system which enables you to switch to a second audio program when viewing a selected channel. This function applies only when the program is broadcast in multi-languages through the SAP broadcast system.

1 Press VCR MENU. Then press SET + or - to select "SAP".



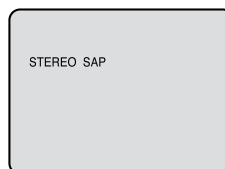
2 Press ENTER to select "ON".

Then press **VCR MENU** until the menu screen is cleared.



Listening to SAP

When the VCR is turned on or a channel selection is made, make certain the letters "SAP" appears on the screen for about 4 seconds. This means that the "Second Audio Program" broadcasting is available.



OR

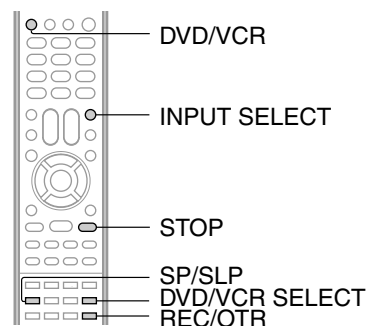


Notes:

- When playing back a tape that is not recorded in Hi-Fi stereo mode, the audio will automatically be monaural.
- When listening to a VHS Hi-Fi video tape or MTS broadcast through the VHF/UHF jack (Audio/Video cable not connected), the sound will be monaural.

Duplicating a video tape

If you connect the DVD/VCR to another VCR or Camcorder, you can duplicate a previously recorded tape. Make all connections before turning on the power.



Duplicating a video tape

Preparation:

- Turn ON the TV and select the corresponding video input.
- Press **DVD/VCR** to operate the DVD/VCR.
- Press **DVD/VCR SELECT** to select the VCR mode. (The VCR indicator will light.)
- Load a cassette tape with the erase prevention tab intact.
- Load a previously recorded tape into the playback VCR or Camcorder.

1 Press SP/SLP to select the desired tape speed SP or SLP.



It is recommended to set the tape speed to the SP mode on the recording VCR for best results.

2 Press INPUT SELECT once or twice to select AUDIO/VIDEO input position.

"L1" or "L2" will appear in the display.



L1: on the rear panel
L2: on the front panel

3 Press PLAY on the playback VCR or Camcorder.

4 Press REC/OTR on the recording VCR.

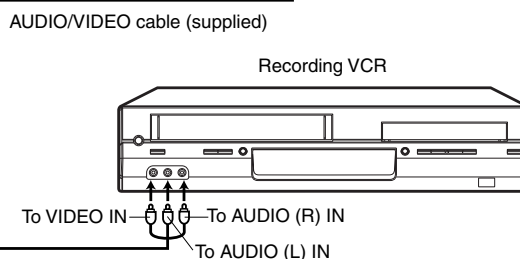
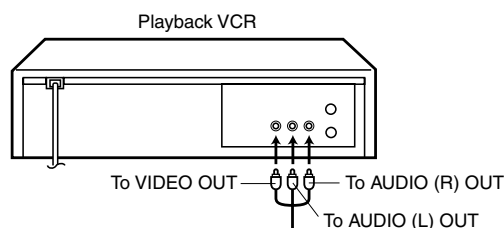
The duplicating process begins.



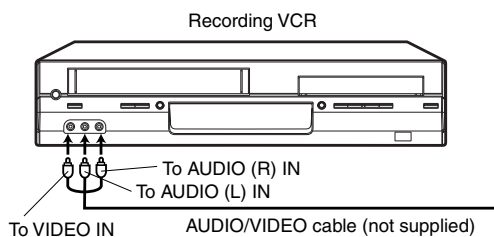
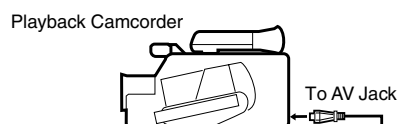
5 Press STOP when you finish duplicating.



Connection with second VCR



Connection with Camcorder

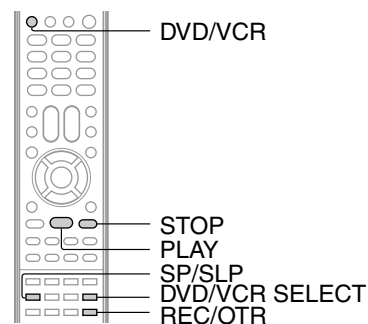


For duplicating a previously recorded tape from a camcorder, follow the camcorder manufacturer's instructions. A typical camcorder dubbing hookup is shown above.

Other functions (VCR)

Recording a DVD/CD disc

You can record disc material in DVD, Audio CD, etc. onto a Video tape with this DVD/VCR.

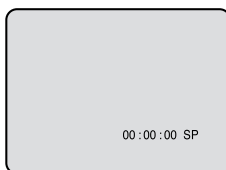


Duplicating a DVD or CD disc

Preparation:

- Turn ON the TV and select the corresponding video input.
- Press **DVD/VCR** to operate the DVD/VCR.
- Press **DVD/VCR SELECT** to select the VCR mode. (The VCR indicator will light.)
- Load a cassette tape with the erase prevention tab intact.
- Load a DVD/CD disc.

1 Press SP/SLP to select the desired tape speed SP or SLP.



2 Press DVD/VCR SELECT selector to select the DVD mode.



The DVD indicator will light.



3 Press PLAY to start playback.



4 Press REC/OTR to start recording.



The DVD/VCR will change to the VCR mode automatically and the playback picture or sound will be duplicated on the video cassette tape.

5 Press STOP when you finish recording.



If you wish to stop a DVD/CD disc, press **DVD/VCR SELECT** selector to change the DVD mode, then press **STOP**.

Notes:

- You may not be able to record the beginning of the disc. Begin VCR recording once program playback commences on the DVD.
- When the scanning mode is set to the progressive mode, you cannot duplicate a disc material onto a video tape. When **REC/OTR** is pressed, the PROGRESSIVE indicator "P" on the display window will flash.
- When the HDMI mode is ON (480p, 720p, 1080i), you cannot duplicate a disc material onto a video tape.
- You cannot record discs encoded with copy guard function. The following icon and text will show up on the TV screen.



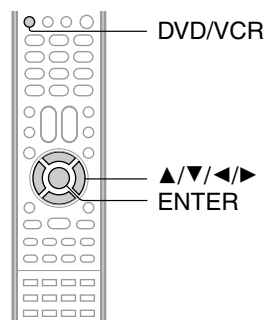
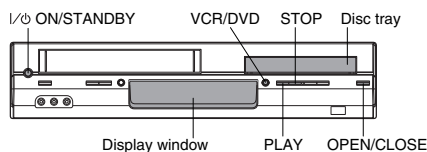
DISC IS COPY PROTECTED

Playing a disc

This section shows you the basics on how to play a disc.

CAUTION

Keep your fingers well clear of the disc tray as it is closing. Neglecting to do so may cause serious personal injury.



DVD VCD CD Basic playback

Preparations:

- When you want to view a disc, turn on the TV and select the corresponding video input connected to the DVD. This may include S-video or component video inputs which are exclusive to DVD playback.
- When you want to enjoy the sound of discs from the audio system, turn on the audio system and select the input connected to the DVD/VCR.

1 Press DVD/VCR on the remote control to operate the DVD/VCR.

DVD/VCR



2 Press I/ψ ON/STANDBY.

I/ψ ON/STANDBY



The DVD/VCR turns on.

3 Press VCR/DVD on the unit to select the DVD mode.

VCR/DVD



The DVD indicator will light.

DVD

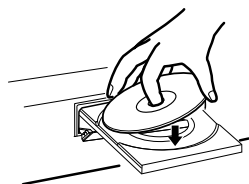
4 Press OPEN/CLOSE.

The disc tray opens.

△ OPEN/CLOSE



5 Place the disc on the disc tray.



With the playback side down

- There are two different disc sizes. Place the disc in the correct guide on the disc tray. If the disc is out of the guide, it may damage the disc and cause the DVD/VCR to malfunction.
- Do not place a disc which is unplayable in this DVD/VCR.

6 Press OPEN/CLOSE or PLAY on the unit.

△ OPEN/CLOSE

▶ PLAY

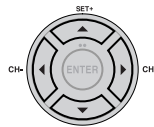


The disc tray closes automatically. On the TV-screen, "△" changes to "Reading" and then playback commences.

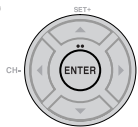
- A menu screen will appear on the TV screen, if the disc has a menu feature.



7 Press △/▽ or ◀/▶ to select title.



8 Press ENTER.



- Title is selected and play commences.

9 Press STOP to end playback.

■ STOP



- The unit records the stopped point, depending on the disc. "■" appears on the screen. Press **PLAY** to resume playback (from the scene point).
- If you press **STOP** again or unload the disc ("■" appears on the screen.), the unit will clear the stopped point.

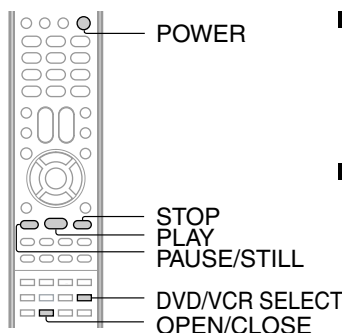
■ To start playback in the stop mode

Press **PLAY**.

▶ PLAY



Basic playback (DVD)



■ To obtain a higher quality picture

Occasionally, some picture noise is not usually visible on the TV screen during a normal broadcast while playing a DVD video disc. It is because due to high resolution pictures on these discs which include a lot of information. The amount of noise depends on the TV you use with this unit. You should generally reduce the sharpness adjustment on your TV when viewing DVD video discs.

■ About

The icons on the heading bar show the playable discs for the function described under that heading.

: You can use this function with DVD video discs.

: You can use this function with Video CDs.

: You can use this function with Audio CDs and CD-R/RW CDs.

: You can use this function with USB Mass Storage.

Basic playback

■ To pause playback (still mode)

Press **PAUSE/STILL** during playback.



To resume normal playback, press **PLAY**.

- The sound is muted during still mode.

■ To stop playback

Press **STOP**.

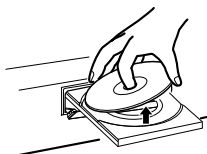


■ To remove the disc

Press **OPEN/CLOSE**.



Remove the disc after the disc tray opens completely.



Be sure to press **OPEN/CLOSE** to close the disc tray after you remove the disc.

■ Playing a Disc while the VCR section is recording or standing by for timer recording

- 1) Start to record.
Follow steps 1~5 on page [40](#).
• If the DVD/VCR is standing by for recording, turn on the DVD/VCR.
- 2) Press **DVD/VCR SELECT** selector to select DVD mode.
- 3) Play a disc.
Follow steps 4 ~ 6 on page [47](#).
• Press **PLAY** if the DVD/VCR does not start to play a disc automatically.
- 4) Stop to play.
Press **STOP** to stop play back a disc.

■ Screen saver function

The screen saver operates when you leave the unit in DVD stop mode for approx. five minutes.

The screen will repeatedly get dark gradually and back to normal.

Please press any button when you want to return to an usual screen.

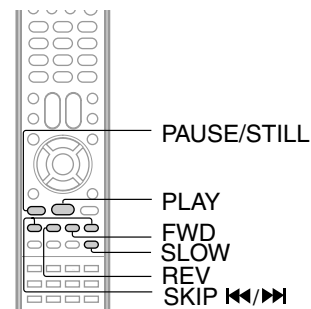
To turn on or off the screen saver, see page [66](#).

Notes:

- If a non-compatible disc is loaded, "Incorrect Disc", "Region Code Error" or "Parental Error" will appear on the TV screen according to the type of loaded disc. In this case, check your disc again [7](#) [70](#).
- Some discs may take a minute or so to start playback.
- When you set a single-faced disc label downwards (i.e. the wrong way up) and press **OPEN/CLOSE** or **PLAY** on the unit, "Reading" will appear on the display for a few minutes and then "Incorrect Disc" will continue to be displayed.
- Some discs may not work the resuming facility.
- Resuming cannot function when you play a PBC-featured Video CD while the PBC is on. To turn off the PBC, see page [56](#).
- Some playback operations of DVDs may be intentionally fixed by software producers. Since this unit plays DVDs according to the disc contents the software producers designed, some playback features may not be available. Also refer to the instructions supplied with the DVDs.
- Do not move the unit during playback. Doing so may damage the disc.
- Use the **OPEN/CLOSE** to open and close the disc tray. Do not push the disc tray while it is moving. Doing so may cause the unit to malfunction.
- Do not push up on the disc tray or put any objects other than discs on the disc tray. Doing so may cause the unit to malfunction.
- In many instances, a menu screen will appear after playback of a movie is completed. Prolonged display of an on-screen menu may damage your television set, permanently etching that image onto its screen. To avoid this, be sure to press **POWER** on your remote control once the movie is completed.
- There may be a slight delay between the button is pressed and the function activates.
- The screen saver does not operate when connecting the DVD video player to the TV using the HDMI cable.

Playing a disc (Continued)

You can play discs at various speeds.



Playing in fast reverse or fast forward directions

Press **REV** or **FWD** during playback.



REV: Fast reverse playback
FWD: Fast forward playback

Each time you press **REV** or **FWD**, the playback speed changes.

■ To resume normal playback

Press **PLAY**.



Notes:

- The DVD/VCR mutes sound and subtitles during reverse and forward scan of DVD/VCD video discs. However, this unit plays sound during fast forward or fast reverse play of audio CDs.
- The playback speed may differ depending on the disc.

Playing frame by frame

Press **PAUSE/STILL** during still playback.



Each time you press **PAUSE/STILL**, the picture advances one frame.

■ To resume normal playback

Press **PLAY**.



Note:

The sound is muted during frame by frame playback.

Playing in slow-motion

Press **SLOW** during playback.



Each time you press the button, the slow-motion speed changes.

■ To resume normal playback

Press **PLAY**.



Note:

The sound is muted during slow-motion playback.

Locating a chapter or track

Press **SKIP**  or  repeatedly to display the chapter or track number you want.

Playback starts from the selected chapter or track.



To locate succeeding chapters or tracks.



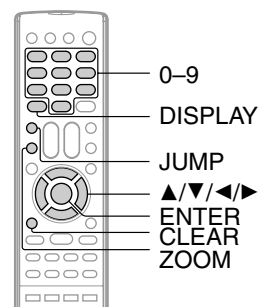
Playback starts from the beginning of the current chapter or track. When you press twice in quick successions, playback starts from the beginning of the preceding chapter or track.

Notes:

- A prohibition symbol "X" may appear at the upper left of the screen. This symbol means either the feature you tried is not available on the disc, or the DVD/VCR cannot access the feature at this time. This does not indicate a problem with the DVD/VCR.
- The unit is capable of holding a still video image or On screen display image on your television screen indefinitely. If you leave the still video image or On screen display image displayed on your TV for an extended period of time, you risk permanent damage to your television screen. Projection televisions are very susceptible.

Basic playback (DVD)

Zooming/Locating desired scene



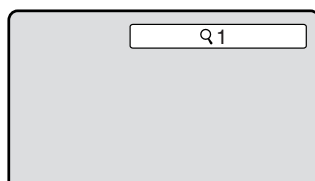
DVD VCD CD Zooming

This unit will allow you to zoom in on the frame image. You can then make selections by switching the position of the frame.

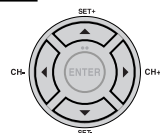
1 Press ZOOM during playback.



The center part of the image will be zoomed in.
Each press of **ZOOM** will change the ZOOM Q1 (x 1.3), Q2 (x 1.5) and Q3 (x 2.0).



2 Press ▲/▼/◀/▶ to view a different part of the frame.



You may move the frame from the center position to UP, DOWN, LEFT or RIGHT direction.

3 In the zoom mode, press ZOOM repeatedly to return to a 1:1 view (Q Off).



Notes:

- You can select the Pause, Slow or Search playback in the zoom mode.
- Some discs may not respond to zoom feature.

DVD VCD CD Locating desired scene

Use the title, chapter and time recorded on the DVD disc to locate the desired point to play back. In the case of VCD/CD discs, time and track are used to locate the desired point to play back. To check the title, chapter and time, press **DISPLAY**.

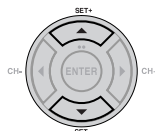
1 Press JUMP during playback or stop mode.



Search	
Title	---
Chapter	---
Time	--:--

- "Time" only works in playback or resume stop mode.

2 Press ▲ or ▼ to select the "Title", "Chapter" or "Time".

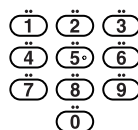


Search	
Title	---
Chapter	---
Time	--:--

Notes:

- In case of the Audio CD and Video-CD, only Track and Time can be selected.
- In case of the Video-CD playback with PBC, the JUMP does not work. Turn off the PBC **[56]**.

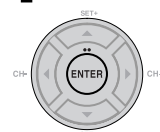
3 Press Number buttons (0-9) to change the number.



Search	
Title	---
Chapter	12
Time	--:--

- If you input a wrong number, press **CLEAR**.
- Refer to the package supplied with the disc to check the numbers.

4 Press ENTER. Playback starts.

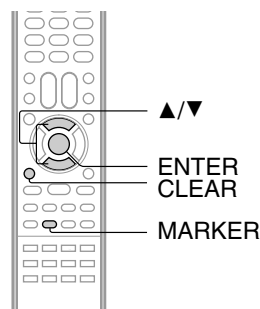


- When you change the title, playback starts from Chapter 1 of the selected title.
- Some discs may not work in the above operation.



Marking desired scenes

The unit stores the points that you want to watch again up to 3 points.
You can resume playback from each scene.



DVD VCD Marking the scenes

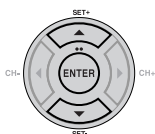
1 Press MARKER during playback.



Marker1	-- : -- : --
Marker2	-- : -- : --
Marker3	-- : -- : --

2 Select the blank Marker using ▲ or ▼. Then press ENTER at the desired scene.

- Repeat this procedure to set the other 2 scenes.



Marker1	00 : 27 : 54
Marker2	-- : -- : --
Marker3	-- : -- : --

3 Press MARKER to clear this display.



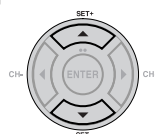
DVD VCD Returning to the scenes

1 Press MARKER during playback or stop mode.



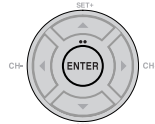
Marker1	00 : 27 : 54
Marker2	01 : 16 : 25
Marker3	02 : 08 : 31

2 Press ▲ or ▼ to select the Marker 1-3.



Marker1	00 : 27 : 54
Marker2	01 : 16 : 25
Marker3	02 : 08 : 31

3 Press ENTER.



Playback starts from the marked scene.

■ To cancel the Marker

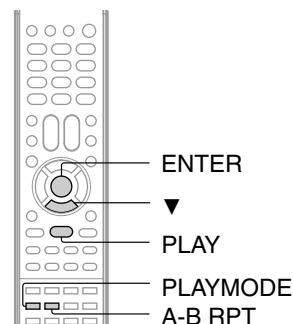
Follow the above steps 1~2, then press **CLEAR**.

Notes:

- Some discs may not work with the marking operation.
- The marking is cancelled when you open the disc tray or turn the power off.
- Some subtitles recorded around the marker may fail to appear.

Advanced playback (DVD)

Repeat playback/A-B Repeat playback

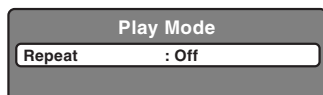
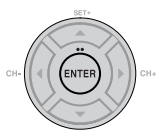


Repeat playback

1 Press **PLAYMODE** during playback or stop mode.



2 [DVD] Press **ENTER** to select “Single (Chapter)” or “All (Title)”.

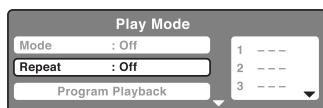
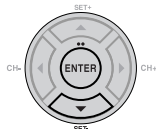


The unit automatically starts repeat playback after finishing the current title or chapter.

[Video CD]

Press **▼** to select “Repeat”.

Press **ENTER** to select “Single (Track)” or “All”.



The unit automatically starts repeat playback after finishing the current track.

- If you set the repeat mode during stop mode, press **PLAY** to start Repeat playback.

[Audio CD and MP3/WMA CD]

Please see “Repeat playback (CD/USB)” [61](#).

3 Press **PLAYMODE** again to clear the screen.

■ To resume normal playback

Select Repeat : “Off” in step 2.

Notes:

- Some discs may not work with the repeat operation.
- In case of Video CD with PBC, repeat functions are prohibited during playback.

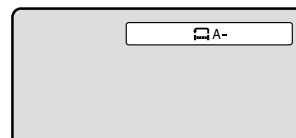
A-B Repeat playback

A-B repeat playback allows you to repeat material between two selected points.

1 Press **A-B RPT** during playback.



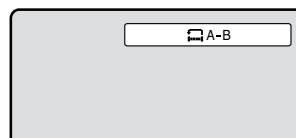
The start point is selected.



2 Press **A-B RPT** again.



The end point is selected. Playback starts at the point that you selected. Playback stops at the end point, returns to Point A automatically, then starts again.



■ To resume normal playback

Press **A-B RPT** again.



“ Off” appears on the screen.

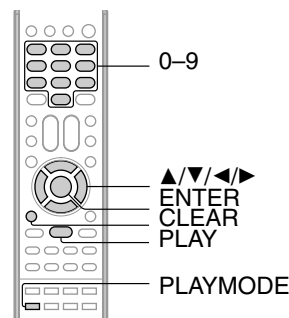
Notes:

- In A-B Repeat mode, subtitles near the A or B locations may not be displayed.
- You cannot set the A-B Repeat for the scenes that include multiple angles.
- A-B Repeat playback does not work when Repeat playback is activated.
- You may not be able to set A-B Repeat, during certain scenes of the DVD.
- A-B Repeat does not work with an interactive DVD, MP3/WMA/JPEG/DivX® CD.
- A-B Repeat is prohibited when PBC is on.

Program playback/Random playback

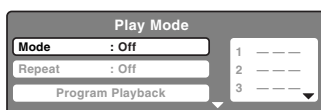
You can arrange the playback order of tracks or files on the disc. And the unit can also select tracks or files at random and playback them. These feature works for Video CD.

For Audio CD and MP3/WMA CD, please see “Random playback (CD/USB)” [61](#) and “Program playback (CD/USB)” [62](#).

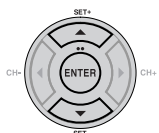


VCD Program playback

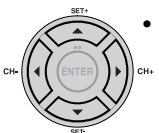
1 Press PLAYMODE during stop mode.



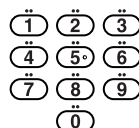
2 Press ▲/▼ to select “Mode”, then press ENTER to select “Program”.



3 Press ◀/▶ to select the right column, then use Number buttons (0–9) to input the track numbers. To program others, press ▲/▼ to select the programming position, then use Number buttons (0–9) to input the track numbers.



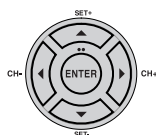
- If you input a wrong number, press **CLEAR**.



4 Press ◀/▶ to return to the left column, then press ▲/▼ to select the “Program Playback” and press ENTER.

The programs you selected will start to playback in the order.

- To resume normal playback, select Mode “Off” in step 2.



■ To change the program

- Select Mode to “Program” (as step 2), press ◀/▶ to select the right column, then press ▲/▼ to select the track number you want to change, then press **CLEAR**.
- Press **Number buttons (0–9)** to overwrite the new track number.

■ To clear the program one by one

Select Mode to “Program”, press ◀/▶ to select the right column, then press ▲/▼ to select the track number. Then press **CLEAR**.

■ To clear all the programs

In the left column, press ▲/▼ to select “Clear Program”. Then press **ENTER**.

Notes:

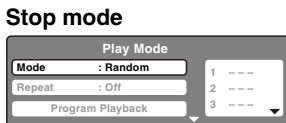
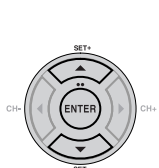
- In playing back the Video CD with PBC, you cannot set Program playback.
- The program is cancelled when you open the disc tray or turn the power off.

VCD Random playback

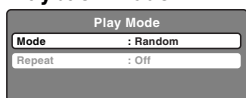
1 Press PLAYMODE during playback or stop mode.



2 Press ▲/▼ to select “Mode”, then press ENTER to select “Random”.



Stop mode



3 Press PLAY.



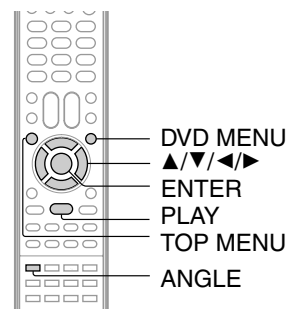
The Random Playback will start.

- If you set “Random” during playback mode, Random playback will begin after the track that is currently being played has ended.
- To resume normal playback, select Mode “Off” in step 2.

Note:

In playing back the Video CD with PBC, you cannot set Random playback.

Changing angles/Title selection/DVD menu

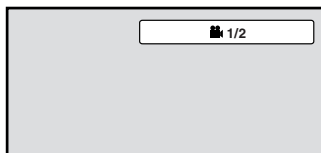


DVD Changing angles

When playing back a disc recorded with multi-angle facility, you can change the angle that you are viewing the scene from.

1 Press ANGLE during playback.

The current angle will appear.



2 Press ANGLE repeatedly until the desired angle is selected.



Note:

Depending on the DVD, you may not be able to change the angles even if multi-angles are recorded on the DVD.

DVD Title selection

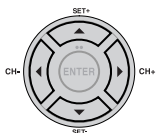
Two or more titles are recorded on some discs. If the title menu is recorded on the disc, you can select the desired title.

1 Press TOP MENU during playback.



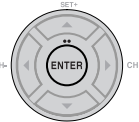
Title menu appears on the screen.

2 Press ▲/▼/◀/▶ to select the desired title.



3 Press ENTER or PLAY.

The playback of the selected title will start.



Note:

Depending on the DVD, you may not be able to select the title. Depending on the DVD, a "title menu" may simply be called a "menu" or "title" in the instructions supplied with the disc.

DVD DVD menu

Some DVDs allow you to select the disc contents using the menu.

When you play back these DVDs, you can select the subtitle language and sound-track language, etc. using the menu.

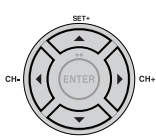
1 Press DVD MENU during playback.



The DVD menu appears on the screen.

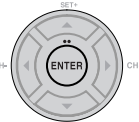
- Press **DVD MENU** again to resume playback at the scene when you press **DVD MENU**.

2 Press ▲/▼/◀/▶ to select the desired item.



3 Press ENTER.

The menu continues to another screen. Repeat steps 2 and 3 to set the item completely.

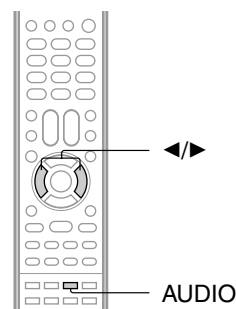


Note:

Depending on the DVD, you may not be able to resume playback from the scene point when you press **DVD MENU**.



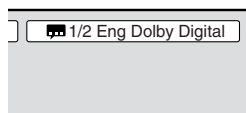
Changing soundtrack language/ Setting surround sound



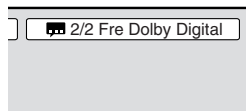
Changing soundtrack language

You can select the language when you play a multilingual disc.

- 1 Press AUDIO during playback.**
-  The current soundtrack language will appear.



- 2 Press AUDIO repeatedly until the desired language is selected.**



- The on screen display will disappear after a few seconds.

■ In case of Video CD playback

Audio type changes as follows each time you press **AUDIO**.



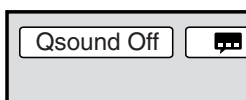
Notes:

- If the desired language is not heard after pressing the button several times, the language is not recorded on the disc.
- Changing soundtrack language is canceled when you open the disc tray. The initial default language or available language will be heard if the disc is played back again.

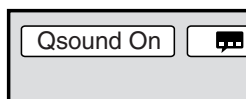
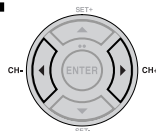
Setting surround sound

This DVD video player equipped with a "QSound". It can produce the effect of being in a cinema or a concert hall.

- 1 During disc playback press AUDIO.**



- 2 Press ◀ or ▶ to select "On".**



- The on screen display will disappear after a few seconds.

■ To cancel Surround mode:

Follow the left steps 1~2, then press ◀ or ▶ to select the "Off" position.

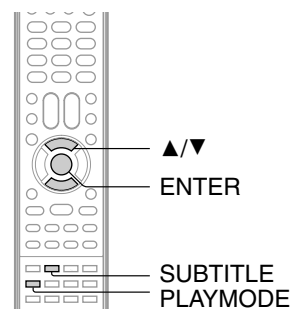
Notes:

- The QSound setting can also be changed in the function setting **[67]**.
- The "QSound" works only when the DVD disc recorded with Dolby Digital is played back.
- When this function works, the volume might changed.
- When the voice is distorted, turn off QSound.



Manufactured under license from QSound Labs, Inc. U.S. patent Nos. 5,105,462, 5,208,860 and 5,440,638 and various foreign counterpart. Copyright QSound Labs, Inc. 1998-2002. QXpander™ is a trademark of QSound Labs, Inc. All rights reserved.

Subtitles/To turn off the PBC



DVD Subtitles

When playing back a disc recorded with subtitles, you can select the subtitle language or turn the subtitle off.

1 Press SUBTITLE repeatedly during playback until your desired language appears.



1/5 Eng

2 To turn off the subtitle, press SUBTITLE until "Off" appears.



Off

- The on screen display will disappear after a few seconds.

Notes:

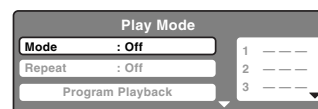
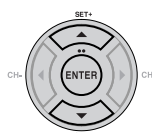
- Depending on the DVD, you may not be able to change subtitles, or to turn subtitles on or off.
- While playing a DVD, the subtitle may change when you open or close the disc tray.
- In some cases, a selected subtitle language may not be changed immediately.

VCD To turn off the PBC

1 Press PLAYMODE in the stop mode.



2 Press ▲/▼ to select "Mode", then press ENTER repeatedly until "Off" appear.



3 Press PLAYMODE again to clear the screen.

■ To turn on the PBC

Follow the above steps 1~2, then press **ENTER** repeatedly until "PBC" appear.



MP3/WMA/JPEG/DivX® and Audio CD operation

This player can play back the MP3/WMA/JPEG/DivX®-data which has been recorded on CD-R/RW or USB Mass Storage. Audio CD also can be played back. To produce the MP3/WMA/JPEG/DivX®-data, you need a Windows-PC with CD-RW drive or USB memory device and a MP3/WMA/JPEG/DivX®-encoding Software (not supplied). The Apple-HFS-System cannot be played.

Note:

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

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

MP3/WMA/JPEG/DivX® - data information

Limitations on MP3/WMA/JPEG/DivX® playback

- MP3/WMA/JPEG/DivX® CD/USB Mass Storage are standardized by ISO9660, its file name must include following extensions; ".mp3", ".wma", ".jpg", ".div", ".divx", ".avi".
- MP3/WMA/JPEG/DivX® files must be correspond to the ISO standardized files.
- This unit can read 600 files per disc. If one directory has more than 600 files, it reads up to 600 files, the remaining files will be omitted. (In case of USB Mass Storage, this limitation becomes 2,000 files).
- The unit is able to recognize up to a maximum of 50 directories per disc or USB Mass Storage.
- MP3/WMA/JPEG/DivX® files cannot be used for the purpose of recording.
- If the CD/USB Mass Storage has both audio tracks and MP3/WMA/JPEG/DivX® files, only audio tracks are played.
- It may take more than one minute for this unit to read MP3/WMA/JPEG/DivX® files depending on its structure.
- Music recorded by "Joliet Recording Specification" can be played back.
- The music files recorded by "Hierarchical File System" (HFS) cannot be played.

Limitations on displaying of the file name.

- The maximum number for display is 15 characters. Long file names will be condensed.
- Available characters for display are the following:
capital or small alphabets of A through Z, numbers of 0 through 9, and _ (under score).
- Other characters than those above are replaced in hyphen.

To play back MP3/WMA/JPEG/DivX® files in the recorded order.

1. Use MP3/WMA/JPEG/DivX® software that records data alphabetically or numerically.
2. Insert two or three digit number in the head of file name. (ex. "01" "02" or "001" "002").
3. Refrain from making too many sub-folders.

CAUTION:

- Some MP3/WMA/JPEG/DivX® CDs/USB Mass Storage cannot be played back depending on the recording conditions.
- The CD-R/RW or USB Mass Storage that has no music data or non MP3/WMA/JPEG/DivX® files cannot be played back.

Standard sampling frequency, and the bit rate:

MP3

MPEG-1 Audio

32kHz, 44.1kHz, 48kHz

32kbps ~ 320kbps (constant bit rate or variable bit rate)

The recommend recording setting for a high-quality sound is 44.1kHz of sampling frequency and 128kbps of constant bit rate.

WMA

WMA version 7 and 8

32kHz/48kbps, 44.1kHz/48kbps~192kbps, 48kHz/128kbps~192kbps

The file recorded by mono, 48kHz, 48 kbps is not available to this unit.

DivX® video

DivX® version: DivX® 3, 4, 5, and 6 (specifically 3.1.1, 4.1.2, 5.0.2, 5.0.5, 5.1.1, 5.2.1, 6.0 at Home Theater profile).

Audio format: MPEG1 Layer2 (MP2), MPEG1 Layer3 (MP3)

Sampling frequencies: 32kHz, 44.1kHz, 48kHz

Bit rate: 32kbps ~ 320kbps

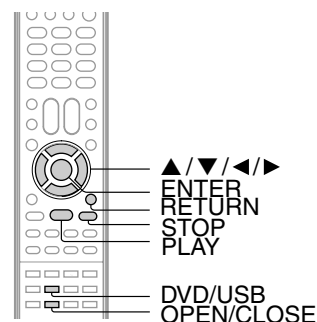
Resolution: Max 720 x 576 (at 25fps), Max 720 x 480 (at 30fps)

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DivX, DivX Certified, and associated logos are trade marks of DivX, Inc. and are used under license.

Advanced playback (DVD)

MP3/WMA/JPEG/DivX® and Audio CD operation (Continued)

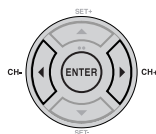


CD/USB Loading media

- [MP3/WMA/JPEG/DivX® CD, Audio CD]**
Place a MP3/WMA/JPEG/DivX® CD or an Audio CD onto the disc tray, then press OPEN/CLOSE.
[USB Mass Storage]
Connect USB Mass Storage to the USB port on the front of the unit (see page 26).

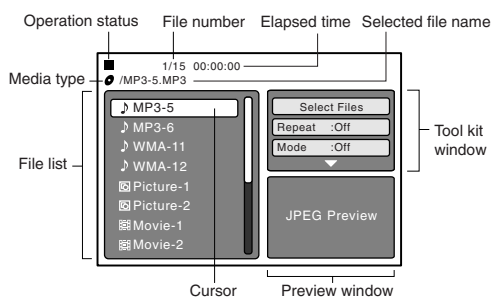


- Press DVD/USB to display the media selection window. Press ◀ or ▶ to select the DVD (CD) mode or the, then press ENTER.



You cannot select the mode if DVD (CD)/USB media not inserted

- A file browser screen will be appear on the screen.



Media type

- CD-R/RW or Audio CD
- USB Mass Storage

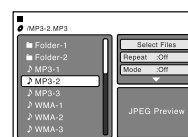
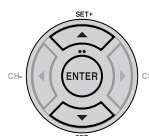
File type

- Indicates Music file (Audio/MP3/WMA)
- Indicates Picture file (JPEG)
- Indicates Movie file (DivX®/video)

- In case the current directory includes 9 files or more, press ▲ or ▼ to scroll in the file list.
- To see contents in folder, select the folder and then press ENTER. To return to the upstairs directory, select "Go Up ..." then press ENTER.
- In case of a CD/USB Mass Storage containing a mixture of MP3, WMA, JPEG and DivX® files, the files are played back by selecting them from the file browser.

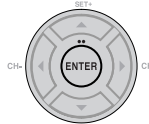
CD/USB MP3/WMA and Audio CD playback

- In the file browser, press ▲/▼ to select the desired file.



When **PLAY** is pressed after displaying file browser, or when the disc tray is closed by pressing **PLAY**, playback begins automatically starting from the first file. In this case, if the first file is an MP3/WMA file, only MP3/WMA files are played back in order. If the first file is a JPEG file, the first JPEG file is played back. If the first file is a DivX® file, the first DivX® file is played back. If there is no file at a root directory, playback does not begin automatically.

- Press ENTER.



The selected file starts playing back.

- Press STOP to end playback.



- The unit records the stopped point. "■" appears on the screen. Press **PLAY** to resume playback (from the scene point).
- If you press **STOP** again or unload the disc, the unit will clear the stopped point.

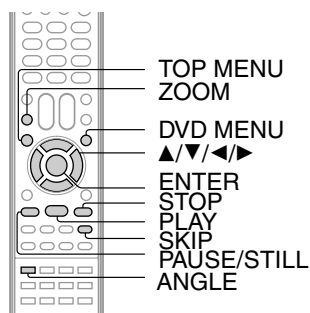
Notes:

- MP3 or WMA file on the Kodak Picture CD is not recognized on this unit.
- During MP3/WMA/JPEG/DivX®-Playback, you cannot use JUMP and A-B Repeat functions.
- You can use Repeat (Track or All), Random functions and Program playback for MP3/WMA/JPEG/DivX® CD Playback [61], [62].

Select Files

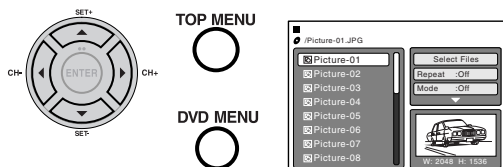
The file type to make it display in the file browser can be chosen.

- Press ◀ or ▶ to highlight "Select Files" at right column in the file browser.
- Press ENTER, then press ▲ or ▼ to select file type from the list (Music, Picture or Movie).
- Press ENTER to add/remove check mark. Checked file type will be displayed in the file browser.
- Press RETURN to save the setting.



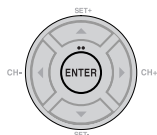
CD USB JPEG playback

- In the file browser, press ▲/▼ to select the desired JPEG file.**
To display a thumbnail list, press **DVD MENU**. Press ◀/▶ or ▲/▼ to select the desired file. (To return to a file browser, press **TOP MENU**.)



When **PLAY** is pressed after displaying the file browser, or when the disc tray is closed by pressing **PLAY**, playback begins automatically starting from the first file. In this case, if the first file is a JPEG file, the first JPEG file is played back. If the first file is a DivX® file, the first DivX® file is played back. If the first file is an MP3/WMA file, only MP3/WMA files are played back in order. If there is no file at a root directory, playback does not begin automatically.

- Press ENTER. The selected picture appears on the screen.**



Rotating an image

You can rotate an image by 90 degrees by pressing **ANGLE** during playback of the image.

“↺”, “↻”, “↻” or “↺” appears on the screen.

Zooming an image

Zoom function also can be used in viewing JPEG files. Press **ZOOM** (See “Zooming” [50](#)).

- Press STOP to end playback.**



The file browser appears on the screen. If you want to watch the other file, repeat steps 1 ~ 2.

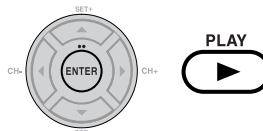
CD USB Slide show playback

The slide show enables you to view pictures (files) one after another automatically.

Preparation:

Set “JPEG Interval” setting to “5 Seconds”, “10 Seconds” or “15 Seconds” [66](#).

- Select your desired starting file for the slide show in the step 1 as left.**
- Press ENTER or PLAY to start slide show from the selected file.**

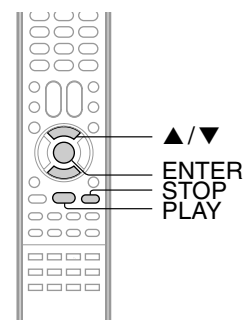


- If you press **PAUSE/STILL** during the slide show, the slide show stops temporary. “||” appears briefly on the picture.
If the picture appears upside down or sideways, press **ANGLE** repeatedly until it's right side up. Press **PLAY** or **SKIP** again to resume the slide show.
- When the slide show playback finished the file list appears.
- To stop the slide show, press **STOP**. The file list appears.

Notes:

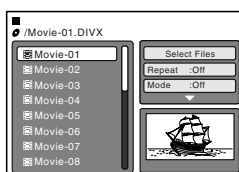
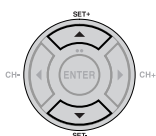
- If the DVD video player is connected to a HDTV using HDMI, you can display the HD resolution JPEG images (720p or 1080i). See “HD Jpeg Mode” on page [68](#).
- During JPEG playback, you cannot use Jump and A-B Repeat functions.

MP3/WMA/JPEG/DivX® and Audio CD operation (Continued)



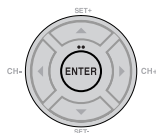
CD USB DivX® playback

1 Press ▲/▼ to select desired DivX® file.



When **PLAY** has been pressed after displaying the file browser, or when the disc tray has been closed after pressing **PLAY**, playback begins automatically starting from the first file. In this case, if the first file is a JPEG file, the first JPEG file is played back. If the first file is a DivX® file, the first DivX® file is played back. If the first file is an MP3/WMA file, only MP3/WMA file are played back in order. If there is no file at a root directory, playback does not begin automatically.

2 Press ENTER or PLAY. The selected DivX® movie will be played back on the screen.



3 Press STOP to end playback.



The file browser appears on the screen. If you want to watch the other file, repeat steps 1 ~ 2.

CD USB Playing DivX® VOD content

DivX® VOD content is protected by DRM (Digital Rights Management) system. This restricts playback of content to specific, registered devices.

If the incorrect DRM file is loaded, "Authorization Error This player is not authorized to play this video." will appear on the screen.

When you attempt to play DivX® VOD, the number of plays is limited and the right message will appear on the screen. If you wish to play it, select "YES".

- If the number of plays goes over the limit, then "Rental Expired" will be displayed, in this case the file will not be played.

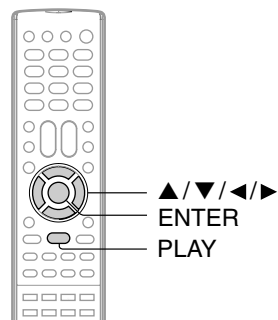
View DivX® VOD Rental
This rental has 5 views left.
Do you want to use one
of your 5 views now?

Yes

No

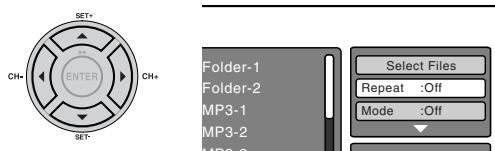
Note:

In order to play DivX® VOD content on this unit, you first need to register the unit with registration code. See page 69.

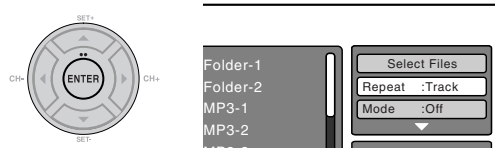


CD USB Repeat playback (CD/USB)

1 In the file browser, press ◀/▶ or ▲/▼ to select “Repeat” during stop mode.



2 Press ENTER to select “Track” or “All”.



3 Press PLAY.



The unit automatically starts repeat playback after finishing the current track.

■ To resume normal playback

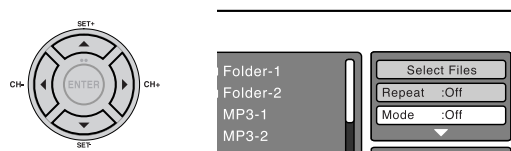
Select Repeat : “Off” in step 2.

Notes:

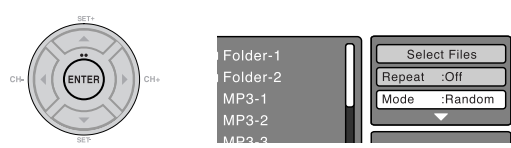
- The program is canceled when you open the disc tray or turn the power off.
- In case of Audio CD, the function of A-B Repeat also can be used. See “A-B Repeat playback” [52](#).

CD USB Random playback (CD/USB)

1 In the file browser, press ◀/▶ or ▲/▼ to select “Mode” during stop mode.



2 Press ENTER to select “Random”.



3 Press PLAY.



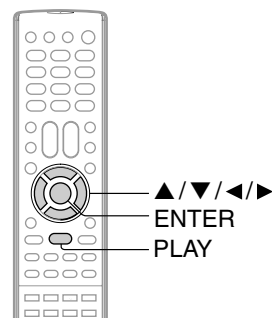
The Random playback will start.

■ To resume normal playback

Select Repeat : “Off” in step 2.

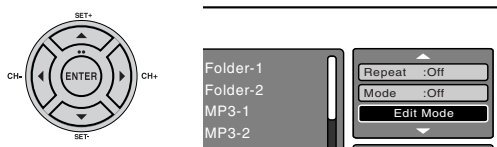
Advanced playback (DVD)

MP3/WMA/JPEG/DivX® and Audio CD operation (Continued)



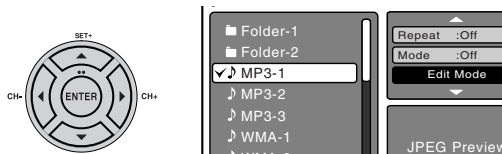
CD/USB Program playback (CD/USB)

- 1** In the file browser, press ◀/▶ or ▲/▼ to select “Edit Mode”, then press ENTER.



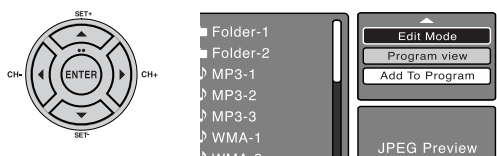
When “Edit Mode” is black color, you can mark the files which you want to add into Program list.

- 2** Press ◀/▶ or ▲/▼ to select file you want to add into the program list.



Press **ENTER**. Selected file was marked.
Repeat this procedure to select the other files.

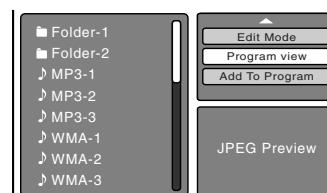
- 3** Press ◀/▶ or ▲/▼ to select “Add To Program”. Then press ENTER. All marked files are added into the program list.



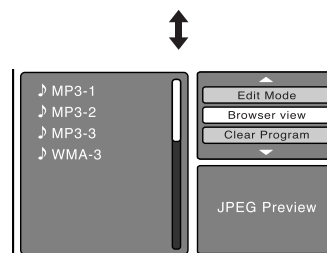
When you finish putting all files which you want to add into the Program list, press “Edit Mode” again to release edit mode.

- 4** Press ◀/▶ or ▲/▼ to select “Program View”, then press ENTER. File list shows only programmed files.

Browser view



Program view



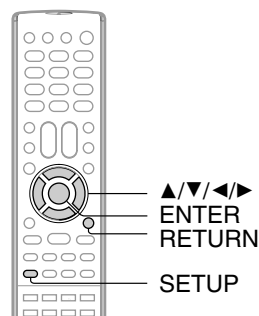
- 5** In the Program View, press **PLAY**. Playback starts in order added to the program list by you.

To remove file from program list

In the Edit Mode, switch to Program View. Select file you want to remove, then press **ENTER**. Select “Clear Program” and press **ENTER**. Marked file is removed from program list.

Customizing the function settings

You can change the default settings to customize performance to your preference.



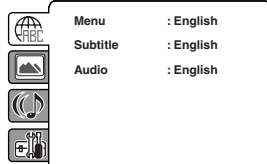
DVD
VCD
CD

Setting procedure

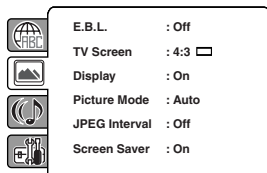
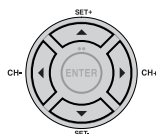
1 Press SETUP during stop mode.



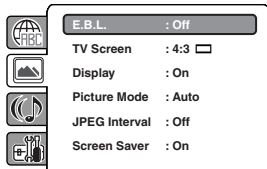
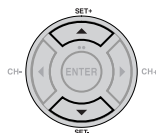
The following on-screen display appears.



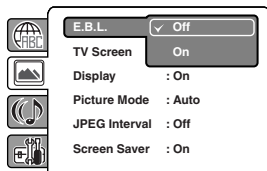
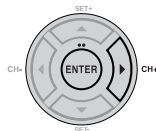
2 Press ▲ or ▼ to select the desired section, then press ◀ or ▶.



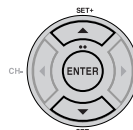
3 First option will be highlighted. Press ▲ or ▼ to select the desired option.



4 Then press ▶ or ENTER. The selectable settings will appear.



5 Change the selection using ▲ or ▼, by referring to the corresponding pages [64] ~ [69]. Press ENTER to save the setting.



- Repeat steps 3 ~ 5 to change other option.
- To select another section, go back to step 2 by pressing ◀ repeatedly.

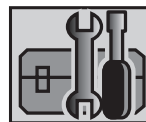
6 To clear SETUP screen, press SETUP or RETURN.





Customizing the function settings (Continued)

Setting details

Section	Option	Details	Page
	Menu Subtitle Audio	To select the language of "Menu", "Subtitle" and "Audio" if more than one language are available on the disc.	65
	E.B.L.	To select On or Off for E.B.L. (Enhanced Black Level).	66
	TV Screen	To select a picture size according to the aspect ratio of your TV.	
	Display	To turn on or de-activate the operational status display on the screen.	
	Picture Mode	To select a preferred picture mode from "Video", "Film" or "Auto".	
	JPEG Interval	To select a preferred setting for the slide show playback.	
	Screen Saver	To select On or Off for Screen Saver function.	67
	DRC	To select On or Off for DRC (Dynamic Range Control).	
	QSound	To select On or Off for QSound.	
	Digital Out	To select an output sound format corresponding to your system connection.	68
	Parental	To select a preferred parental level for the parental setting.	
	Set Password	Input 4-digit password to set the parental level.	
	HD Jpeg Mode	To select On or Off for HD Jpeg mode.	
	Output	To select a preferred video output signal from "Interlace" or "Progressive".	
	DivX(R) VOD	To display your 8 character registration code.	69



Menu : English
Subtitle : English
Audio : English

■ Menu, Subtitle, Audio

You can select the language of “Menu”, “Subtitle” and “Audio” if more than one languages are recorded onto the disc.

English, Francais, Espanol:

The selected language will be heard or seen.

Other:

Other language can be selected (see the “Language code list” [71](#)).

Original: (Audio)

The unit will select the first priority language of each disc.

Off: (Subtitle)

Subtitles do not appear.

Notes:

- If the selected language is not recorded on the disc, the first-priority language is selected.
- If you want to change the OSD language, you can perform it by VCR MENU [28](#).



E.B.L. : Off
TV Screen : 4:3 ☐
Display : On
Picture Mode : Auto
JPEG Interval : Off
Screen Saver : On

■ E.B.L.

To select the black level of playback pictures, set your preference and monitor’s ability.

Off: Standard grey scale (7.5 IRE cut off)

On: Enhanced grey scale (0 IRE cut off)

■ TV Screen

You have the following screen sizes to choose from:

4:3 ☐ (Letter box):

Select this mode when connecting to a conventional TV. When playing back a wide screen-DVD disc, it displays the wide picture with black bands at the top and bottom of screen.

4:3 ☐ (Pan scan):

It displays the wide picture on the whole screen with left and right edges automatically cut off.

16:9 ☐ (Wide):

Select this mode when connecting to a wide-screen TV. A wide screen picture is displayed full size.

Note:

If the DVD disc is not formatted in the pan & scan style, it displays 4:3 style.

Function setup (DVD)



Customizing the function settings (Continued)

Setting details

■ Display

On screen display can be switched on or off when you press the buttons.

Off: On screen displays do not appear when you press any buttons.

On: On screen displays appear when you press the buttons (factory setting).

■ Picture Mode

There are two types of source content in pictures recorded in DVD video discs: film content (pictures recorded from films at 24 frames per second) and video content (video signals recorded at 30 frames per second). Make this selection according to the type of content being viewed.

Auto: Select this position normally.
The DVD player automatically detects source content, film or video, of playback source, and converts that signal in the progressive output format in an appropriate method.

Film: The DVD player converts film content pictures in the progressive output format appropriately. Suitable for playback of film content pictures. The progressive output feature will be most effective under this selection.

Video: The DVD player filters video signal, and converts it in the progressive output format appropriately. Suitable for playback of video content pictures.

Note:

Depending on the disc, pictures may be cut off or doubled. In this case, select "Video".

■ JPEG Interval

You can continuously play back all JPEG files automatically.

After the setting below, start playing the disc on which JPEG files have been recorded.

Off:
Plays back one file at a time.

5 Seconds:
Plays back images in the form of a slide show at 5 second intervals.

10 Seconds:
Plays back images in the form of a slide show at 10 second intervals.

15 Seconds:
Plays back images in the form of a slide show at 15 second intervals.

■ Screen Saver

The screen saver operates when you leave the unit in DVD stop mode for approx. five minutes. The screen will repeatedly get dark gradually and back to normal.

Off:
Screen Saver function is invalidated.

On:
Screen Saver function is made effective.



DRC : Off
QSound : Off
Digital out : PCM

■ DRC

DRC (Dynamic Range Control) enables you to control the dynamic range so as to achieve a suitable sound for your equipment.

Off:

It plays back at the recording level on the disc.

On:

Loud sound such as explosion or similar is toned down slightly when played back. This makes it suitable for when it is connected to a stereo.

Notes:

- This function works only during playback of Dolby Digital recorded discs.
- The level of Dynamic Range Reduction may differ depending on DVD video disc.

■ QSound

This DVD video player equipped with a "QSound". It can produce the effect of being in a cinema or a concert hall.

Off: The QSound is disengaged.

On: The QSound operates.

Notes:

- The QSound setting can also be changed with **AUDIO** on the remote control .
- This function works only when the disc recorded with Dolby Digital is played back.
- When this function works, the volume might changed.
- When the voice is distorted, turn off QSound.

■ Digital Out

Selected the output sound format corresponding to your system connection.

PCM:

Select when connected to a 2 channel digital stereo amplifier.

Raw:

Disc audio raw data will be output.

Notes:

- When you make a connection to a TV, or Dolby Surround Pro Logic or stereo system via the analog audio jacks, select "PCM" or "Raw".
- If apply HDMI connection to TV, make sure to select "PCM", audio signal passing to TV via HDMI cable.

Customizing the function settings (Continued)

Setting details



	Parental	: Off
	Set Password	: Change
	HD Jpeg Mode	: Off
	Output	: Interlace
	DivX(R) VOD	: Display

■ Parental control setting

Some discs are specified not suitable for children. Such discs can be limited not to play back with the unit.

- 1) Press **▲** or **▼** to select "Parental", then press **ENTER**. "Enter Password" will appear.
- 2) Press "0000" using **Number buttons (0–9)**. (Please note, this is pre-setting password of this unit). Then press **ENTER**. The parental level list will appear.
 - **Level Off:** The parental control setting does not function.
 - **Level 8:** All DVD software can be played back.
 - **Level 1:** DVD software for adults cannot be played back.
- 3) Press **▲** or **▼** to select from the level 1 to level 8. The limitation will be more severe as the level number is lower.
- 4) Press **OPEN/CLOSE** to activate Parental control setting.

Notes:

- Depending on the discs, the unit cannot limit playback.
- Some discs may not be encoded with specific rating level information though its disc jacket says "adult." For those discs, the age restriction will not work.
- The password is required every time when you change the parental level.
- If you input a wrong number, press **CLEAR**.

■ Set the new password

- 1) Press **▲** or **▼** to select "Set Password", then press **ENTER**. "Enter Current Password" will appear.
- 2) Press **Number buttons (0–9)** to input the current password (If the password has not been set yet after you purchase this unit, it is "0000").
- 3) Then press **ENTER**. "Enter New Password" will appear. Press **Number buttons (0–9)** to input the new password.
- 4) Press **ENTER**. Now your new password has been set. Be sure to remember this number!

If you forget the password...

- 1) Press **OPEN/CLOSE** to open the disc tray.
- 2) Remove the disc.
- 3) Press **OPEN/CLOSE** again to close the disc tray. "No Disc" appears on the screen.
- 4) While holding **7** down on the remote control and then press **STOP** on the front panel. "Password Clear" appears on the screen. Now the password has been returned to the initial value ("0000").

■ HD Jpeg Mode

This DVD video player equipped with a "HD Jpeg Mode". It can display the HD resolution JPEG images when the DVD video player is connected to a HDTV using HDMI.

On:

Select when you connect the DVD video player to a HDTV via HDMI OUT jack. JPEG images is displayed in suitable picture quality (480p, 720p or 1080i) **[22]**.

Off:

The picture processing quality is fixed to 480p.

Notes:

- When the DVD video player is not connected to a TV using HDMI, you cannot select "On".
- When HD Jpeg Mode is set to "On", zoom function is prohibited and component video outputs disabled when 720p or 1080i is selected.



■ Output

You can select the video output signal of the DVD video player to the TV from “Interlace” or “Progressive”.

- 1) Press **▲** or **▼** to select “Output”.
- 2) Press **ENTER**, then press **▲** or **▼** to select “Interlace” or “Progressive”.

Interlace:

Select when connecting to a composite TV or a TV equipped with component video inputs but progressive scan is not compatible.

Progressive:

Select when connecting to a TV equipped with component video inputs, progressive scan compatible.

- 3) Press **ENTER**.

Warning:

Once “Progressive” is selected when connecting to a TV progressive scan incompatible, no image will be seen on the video display.

In this case, you must reset the unit by pressing **STOP** on the front panel for five seconds. The video output will be restored to “Interlace” setting, and a picture will once again be seen on a conventional analog display.

Notes:

- Some discs may not be played back with the progressive scanning mode correctly because of the disc characteristics or recording condition.
- Once Progressive scan on, S-video output is disabled.

■ DivX® VOD

In order to play DivX® VOD (Video On Demand) content on this unit, you first need to register the unit with your DivX® VOD content provider. You do this by generating a DivX® VOD registration code, which you submit to your provider.

Press **▲** or **▼** to select “DivX(R) VOD”. Then press **ENTER**. Your 8-character registration code is displayed. Make a note of the code as you will need it when you register with a DivX® VOD provider. Then press **ENTER**.

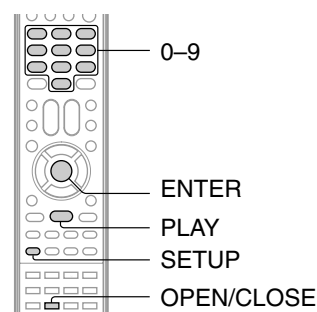
Note:

If each setup (pages 65 ~ 69) has been completed, the unit can always be worked under the same conditions (especially with DVD discs).

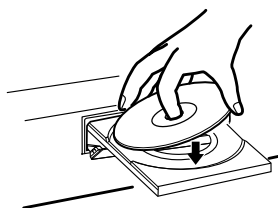
Each setup will be retained in the memory even if you turn the power off.

Temporary disabling of rating level by DVD disc

Depending on the DVD disc, the disc may try to temporarily cancel the rating level that you have set.
It is up to you to decide whether to cancel the rating level or not.



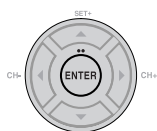
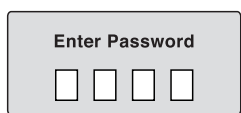
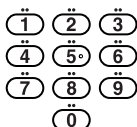
- 1 Load a DVD disc and press **PLAY** or **OPEN/CLOSE** on the unit [47].



- 2 If the DVD disc has been designed to temporarily cancel the Rating level, the screen which follows the "Reading" screen will change, depending on which disc is played. If you select "YES" with the **ENTER** key, password input screen will then appear.

- 3 Enter the password with Number buttons (0-9). Then press **ENTER**.

To exit from the entry, press **SETUP**.



- 4 Playback will commence if the entered password was correct.

Note:

This temporary cancellation of rating level will be kept until the disc is ejected.
When the disc is ejected, the original rating level will be set again automatically.

Language code list

Enter the appropriate code number for the initial settings "Menu", "Subtitle" and/or "Audio" [65].

Language Name Code	Language Name Code	Language Name Code	Language Name Code
Abkhazian 1112	Fiji 1620	Lingala 2224	Singhalese 2919
Afar 1111	Finnish 1619	Lithuanian 2230	Slovak 2921
Afrikaans 1116	French 1628	Macedonian 2321	Slovenian 2922
Albanian 2927	Frisian 1635	Malagasy 2317	Somali 2925
Amharic 1123	Galician 1722	Malay 2329	Spanish 1529
Arabic 1128	Georgian 2111	Malayalam 2322	Sundanese 2931
Armenian 1835	German 1415	Maltese 2330	Swahili 2933
Assamese 1129	Greek 1522	Maori 2319	Swedish 2932
Aymara 1135	Greenlandic 2122	Marathi 2328	Tagalog 3022
Azerbaijani 1136	Guarani 1724	Moldavian 2325	Tajik 3017
Bashkir 1211	Gujarati 1731	Mongolian 2324	Tamil 3011
Basque 1531	Hausa 1811	Nauru 2411	Tatar 3030
Bengali; Bangla 1224	Hebrew 1933	Nepali 2415	Telugu 3015
Bhutani 1436	Hindi 1819	Norwegian 2425	Thai 3018
Bihari 1218	Hungarian 1831	Oriya 2528	Tibetan 1225
Breton 1228	Icelandic 1929	Panjabi 2611	Tigrinya 3019
Bulgarian 1217	Indonesian 1924	Pashto, Pushto 2629	Tonga 3025
Burmese 2335	Interlingua 1911	Persian 1611	Turkish 3028
Byelorussian 1215	Irish 1711	Polish 2622	Turkmen 3021
Cambodian 2123	Italian 1930	Portuguese 2630	Twi 3033
Catalan 1311	Japanese 2011	Quechua 2731	Ukrainian 3121
Chinese 3618	Javanese 2033	Rhaeto-Romance 2823	Urdu 3128
Corsican 1325	Kannada 2124	Romanian 2825	Uzbek 3136
Croatian 1828	Kashmiri 2129	Russian 2831	Vietnamese 3219
Czech 1329	Kazakh 2121	Samoan 2923	Volapük 3225
Danish 1411	Kirghiz 2135	Sanskrit 2911	Welsh 1335
Dutch 2422	Korean 2125	Scots Gaelic 1714	Wolof 3325
English 1524	Kurdish 2131	Serbian 2928	Xhosa 3418
Esperanto 1525	Laothian 2225	Serbo-Croatian 2918	Yiddish 2019
Estonian 1530	Latin 2211	Shona 2924	Yoruba 3525
Faroese 1625	Latvian, Lettish 2232	Sindhi 2914	Zulu 3631

Troubleshooting

Before calling a service technician, please check the following table for a possible cause of the symptoms and some solutions.

Symptoms	Solutions	Page
DVD/VCR		
DVD/VCR does not operate.	• Make sure the power cord is plugged in. • Try another AC outlet. • Unplug unit, then plug it back in. • Select the DVD or VCR mode before operating.	5 – 27 35,47
No picture.	• Antenna connection is not correct or antenna cable is disconnected. • The video channel is not in the correct position or the TV is not set to the video channel 3 or 4. • Check the unit is connected correctly. • The video input selector of the TV is not set to VIDEO. Set to VIDEO (or equivalent). • Channel is set to the external mode.	16~19 27 16~26 – –
No sound.	• Check the unit is connected correctly. • Check the input selector of the amplifier is set properly. • The unit is in the Special playback mode.	16~26 – 36,49
The remote control does not function.	• Aim the remote control at the remote sensor. • Operate within Approx. 7 Meters or reduce the light in the room. • Clear the path of the beam. • The batteries are weak. Replace the batteries. • Check the batteries are inserted correctly.	13
No Cable TV reception.	• Check all Cable TV connections. • Station or Cable TV system problems, try another station.	18,19
VCR		
TV recording does not work.	• The erase prevention tab of the video cassette is broken off. • The unit is in the external input mode.	34,39
Timer recording does not work.	• The time is not set correctly. • The recording start/end time is not set correctly. • The TIMER REC has not been pressed (⏏ is not lit).	29~31 42 42
Noise bars on screen.	• Tracking adjustment beyond range of automatic tracking circuit. Try Manual tracking adjustment. • Video heads are dirty. • The tape is worn or damaged.	36 36 –
DVD		
Display is not shown in your language.	• Select proper language in the menu options.	65
Playback doesn't start.	• No disc is inserted. • The disc may be dirty. Clean up the disc. • The unit cannot play DVD-ROMs, etc.	47 7 7
Stopping playback, slow-motion play, repeat play, or memory play, etc. cannot be performed.	• Some discs may not do some of the functions.	–
No picture, or the screen is blurred or divided into two parts.	• The PROGRESSIVE scan is "On" although the unit is connected to a TV via the VIDEO OUT or the S-VIDEO OUT jack.	69
No 4:3 (16:9) picture.	• The setup does not match your TV.	65
No on-screen display.	• Select Display to "On".	66
No surround sound.	• The setup does not match your stereo system.	24,25
The unit or remote operation key is not functioning.	• Turn off the unit and unplug the AC power cord for several minutes, then replug it.	–
Playback does not start when the title is selected.	• Check the Parental setup.	68,70
Audio soundtrack and/or subtitle language is not changed when you play back a DVD.	• Multilingual language is not recorded on the DVD disc.	55,56
No subtitle.	• Some discs have no subtitles. • Subtitles are cleared. Press SUBTITLE.	56
Angle cannot be changed.	• Multi-angles are not recorded on the DVD disc.	54
"X" appears on the screen.	• The function is prohibited with the unit or the disc.	49



Specifications

General

Power supply	AC 120 V 60 Hz
Power consumption	Operation: 20 W, Stand by: 2 W
Weight	7.7 lbs (3.5 kg)
Dimensions	Width: 16-15/16 inches (430.6 mm) Height: 3-9/16 inches (89.7 mm) Depth: 9 inches (228.7 mm)
Tuner	181 channel freq. synthesized VHF 2-13 UHF 14-69 Cable TV 113 Channels
Antenna input/output	UHF/VHF In/Out: 75 Ω coaxial
RF channel output	Channel 3 or 4, Switchable
Color system	NTSC
Video head	4 Rotary heads
Audio track	Hi-Fi sound - 2 Tracks / MONO sound - 1 Track
Hi-Fi frequency response	20 Hz to 20,000 Hz
Hi-Fi dynamic range	More than 90dB
FWD/REV time at 25°C (77°F)	Approx. 1 minute and 48 seconds (with T-120 Cassette Tape)
Applicable disc	DVD (12 cm, 8 cm), CD (12 cm, 8 cm)
Frequency range	DVD: 4 Hz-22 kHz, CD: 4 Hz-20 kHz
S/N ratio	85dB (DVD)
Harmonic distortion	0.06% (DVD)
Wow and flutter	Less than 0.01% Wrms
Operating conditions	Temperature: 5°C-40°C (41°F-104°F), Operating status: Horizontal

Input/Output

DVD/VCR	
Video input	1.0 V (p-p), 75 Ω , negative sync., pin jack x 2
Video output	1.0 V (p-p), 75 Ω , negative sync., pin jack x 1
Audio input	-8 dBm, 50 k Ω , negative sync., pin jack (L/R) x 2
Audio output	-8 dBm, 1 k Ω , negative sync., pin jack (L/R) x 1
DVD	
S-video output	(Y) 1.0 V (p-p), 75 Ω , negative sync., Mini DIN 4-pin x 1 (C) 0.286 V (p-p), 75 Ω
Component video output	(Y) 1.0 V (p-p), 75 Ω , negative sync., pin jack x 1 (P _B)/(P _R) 0.7 V (p-p), 75 Ω , pin jack x 2
Audio output (COAXIAL DIGITAL)	0.5 V (p-p), 75 Ω , pin jack x 1
Audio output (ANALOG)	-12 dBm, 1 k Ω , pin jacks (L, R) x 1

Supplied accessories

Audio/video cable	1
Remote control (SE-R0221)	1
Batteries (R03/AAA)	2
75 Ω coaxial cable	1

- This model complies with the above specifications.
- Designs and specifications are subject to change without notice.
- This model may not be compatible with features and/or specifications that may be added in the future.

Others



Others

Limited warranty

Limited United States Warranty

DVD/VCR Combinations - Exchange Warranty

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

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

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

Limited Ninety (90) Day Warranty

TACP warrants this DVD/VCR Combination and its parts against defects in materials or workmanship for period of ninety (90) days after the date of original retail purchase. **DURING THE FIRST NINETY (90) DAYS AFTER THE DATE OF ORIGINAL RETAIL PURCHASE, TACP WILL EXCHANGE A DEFECTIVE DVD/VCR COMBINATION WITH A NEW OR REFURBISHED DVD/VCR COMBINATION WITHOUT CHARGE TO YOU. YOU MUST CONTACT TACP'S CONSUMER SOLUTIONS CENTER FOR INSTRUCTIONS ON HOW TO PROCESS YOUR WARRANTY EXCHANGE REQUEST. THE CONSUMER IS RESPONSIBLE FOR ALL INBOUND TRANSPORTATION AND INSURANCE CHARGES FOR THE DVD/VCR COMBINATION TO THE EXCHANGE CENTER. DURING THE PERIOD THAT COMMENCES ON THE DATE THAT IS NINETY ONE (91) DAYS AFTER THE DATE OF ORIGINAL RETAIL PURCHASE AND BEYOND, TACP WILL EXCHANGE A DEFECTIVE DVD/VCR COMBINATION WITH A NEW OR REFURBISHED DVD/VCR COMBINATION FOR A NOMINAL FEE. YOU MUST CONTACT TACP'S CONSUMER SOLUTIONS CENTER FOR INSTRUCTIONS ON HOW TO PROCESS YOUR EXCHANGE REQUEST. THE CONSUMER IS RESPONSIBLE FOR ALL INBOUND TRANSPORTATION AND INSURANCE CHARGES FOR THE DVD/VCR COMBINATION TO THE EXCHANGE CENTER.**

* Rental Units

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

* Commercial Units

DVD/VDR Combinations sold and used for commercial purposes have a limited ninety (90) day warranty for all parts and labor.

Owner's Manual and Product Registration Card

Read this owner's manual thoroughly before operating this DVD/VCR Combination. Complete and mail the enclosed product registration card or register your product on-line at www.tacp.toshiba.com/service as soon as possible. By registering your DVD/VCR Combination you will enable TACP to bring you new products specifically designed to meet your needs and help us to contact you in the unlikely event that a safety notification is required under the Consumer Product Safety Act. Failure to complete and return the product registration card does not diminish your warranty rights.

Your Responsibility

THE ABOVE WARRANTIES ARE SUBJECT TO THE FOLLOWING CONDITIONS:

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



How to Obtain Warranty Services

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

- (1) For instructions on how to obtain warranty service for exchange program DVD/VCR Combinations, contact TACP's Call Center toll free at 1-866-583-7353.
- (2) You must include the original bill of sale (or a copy of the original bill of sale) or other proof of purchase along with the entire DVD/VCR Combination when sending the DVD/VCR Combination to the Authorized TACP Service Station specified by TACP's Call Center. You must pay for all transportation and insurance charges for the DVD/VCR Combination to and from the Authorized TACP Service Station.

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

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

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

Others



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Printed in Thailand



TOSHIBA

REPRODUCTOR DE DVD & VIDEOGRABADOR DE CASSETTE SD-V594SU

Referencia rápida



PRECAUCION

RIESGO DE DESCARGA
ELECTRICA NO ABRIR



AVISO: PARA REDUCIR EL RIESGO DE DESCARGA ELECTRICA, NO RETIRE LA CUBIERTA (O POSTERIOR). EN EL INTERIOR DEL APARATO NO HAY COMPONENTE ALGUNO QUE PRECISE SERVICIO DE MANTENIMIENTO A CARGO DEL USUARIO. SOLICITE CUALQUIER OPERACION DE MANTENIMIENTO A PERSONAL DE SERVICIO CALIFICADO.



El símbolo del rayo dentro de un triángulo equilátero tiene por finalidad alertar al usuario acerca de la presencia de tensión peligrosa (sin aislación) en el interior del producto, que puede tener la intensidad suficiente como para constituir un riesgo de descarga eléctrica.



El signo de exclamación dentro de un triángulo equilátero tiene por finalidad alertar al usuario de importantes instrucciones de operación y mantenimiento (servicio) en la literatura que acompaña a este aparato.

AVISO: Para reducir el riesgo de incendio o descarga eléctrica, no exponga esta unidad a la lluvia ni a la humedad.

Notificación de FCC: Este equipo ha sido sometido a pruebas y cumple con los límites establecidos para un aparato digital de Clase B, de acuerdo con la Parte 15 del Reglamento de la FCC. Estos límites están diseñados para proporcionar protección razonable contra interferencias perjudiciales en una instalación residencial. Este equipo genera o emplea energía de radiofrecuencia y, si no es instalado y empleado de acuerdo con estas instrucciones, puede causar interferencias perjudiciales a las radiocomunicaciones. Sin embargo, no garantizamos que no ocurrirán interferencias en una instalación en particular. Si este equipo causa interferencias perjudiciales a la recepción radial o televisiva, situación que puede ser determinada apagando y encendiendo el equipo, se sugiere al usuario que trate de corregir tal interferencia mediante una o más de las siguientes medidas:

- Reorientar o relocalizar la antena receptora.
- Incrementar la separación entre el equipo y el receptor.
- Conectar el equipo a un tomacorriente o circuito diferente al que está conectado al receptor.
- Consultar con el concesionario o un técnico experimentado solicitándole su asistencia.

PRECAUCION: El usuario corre el riesgo de perder la autorización para hacer funcionar este equipo en caso de que ejecute un cambio o modificación no aprobado por la parte responsable para la conformidad con las Reglas FCC.

PRECAUCION:

ESTE TOCADISCOS DE VIDEO DIGITAL UTILIZA UN SISTEMA LASER.

PARA UTILIZAR CORRECTAMENTE ESTE PRODUCTO, LEA CUIDADOSAMENTE ESTE MANUAL DE INSTRUCCIONES Y GUARDELO PARA SU REFERENCIA EN EL FUTURO. SI FUERA NECESARIO HACER UN MANTENIMIENTO DE ESTE APARATO, CONSULTE CON UN CENTRO DE SERVICIO AUTORIZADO.

EL USO DE LOS CONTROLES, AJUSTES O LA REALIZACION DE OTROS PROCEDIMIENTOS QUE NO SEAN LOS ESPECIFICADOS AQUI PUEDE PROVOCAR UNA EXPOSICION A RADIACIONES PELIGROSAS.

PARA EVITAR LA EXPOSICION DIRECTA A LOS RAYOS LASER, NO TRATE DE ABRIR LA CAJA. PUEDE HABER UNA RADIACION LASER VISIBLE AL ABRIR LA CAJA. NO MIRE HACIA EL RAYO.

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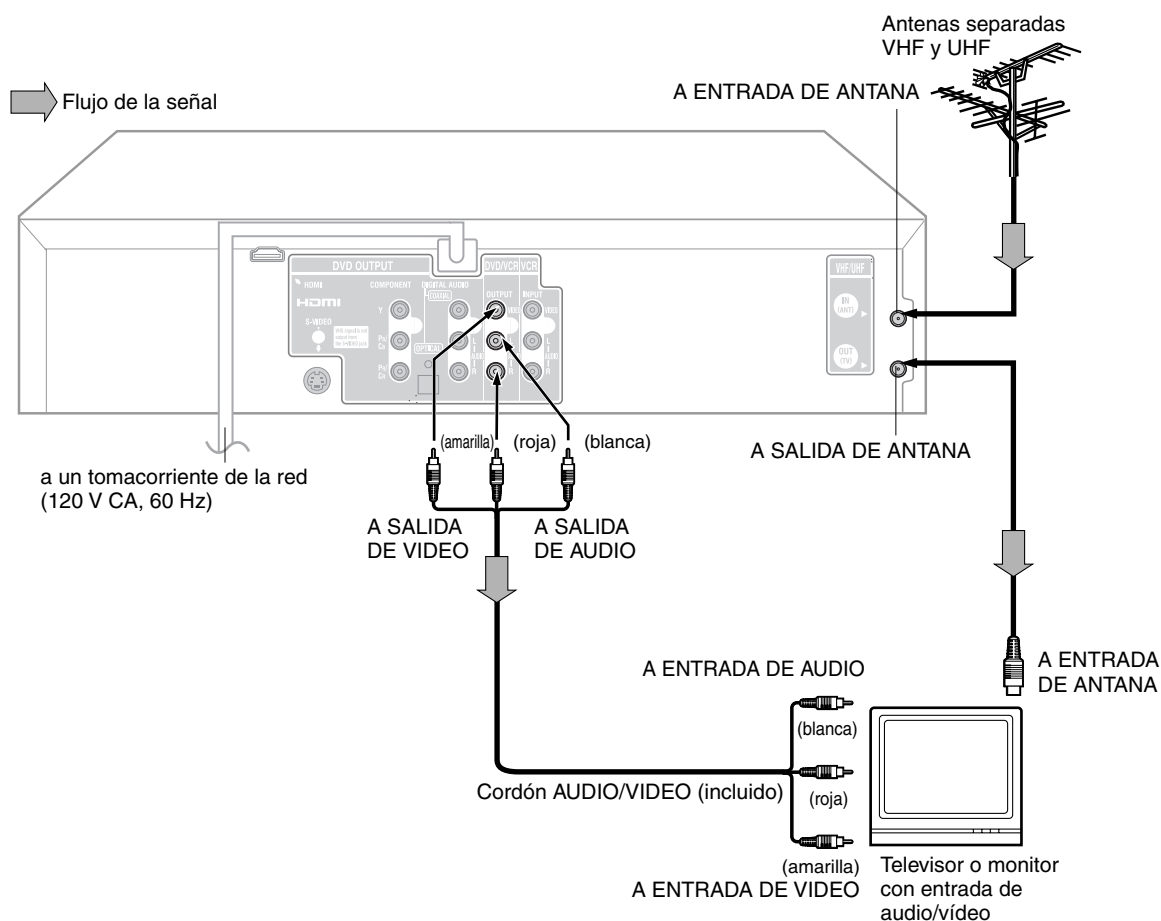
Este dispositivo no graba en cinta DVDs protegidos contra copias.



INSTRUCCIONES IMPORTANTES

- 1. LEA LAS INSTRUCCIONES**
Antes de usar la unidad, lea detenidamente todas las instrucciones de seguridad y operación.
 - 2. CONSERVE ESTE MANUAL DE INSTRUCCIONES**
Conserve las instrucciones de seguridad y operación para consultas futuras.
 - 3. RESPETE LAS ADVERTENCIAS**
Observe estrictamente todas las advertencias impresas en la unidad y las incluidas en el manual de instrucciones.
 - 4. SIGA LAS INSTRUCCIONES**
Siga todas las instrucciones de operación y uso.
 - 5. LIMPIEZA**
Antes de limpiar este videograbador, desconéctelo del tomacorriente mural. No use limpiadores líquidos ni aerosol. Utilice sólo un paño suavemente seco para limpiar el exterior del mueble.
 - 6. ENCHUFES**
El fabricante de esta unidad no hace ninguna recomendación de accesorios ya que pueden ser peligrosos.
 - 7. AGUA Y HUMEDAD**
No utilice este aparato cerca del agua. Por ejemplo cerca de una bañera, lavabo, pileta de la cocina, lavadero, en un sótano húmedo o cerca de una piscina.
 - 8. ACCESORIOS**
No instale esta unidad en un carro, soporte, trípode o mesa inestables. La unidad podría caerse, causando serias lesiones, resultando también severamente dañada a la unidad.
 - 8A. La combinación de aparato y carro deberá ser movida con cuidado.** Las detenciones bruscas, la fuerza excesiva y las superficies dispares podrán hacer que el aparato y el carro se vuelven.
 - 9. VENTILACION**
Las ranuras y aberturas en la parte trasera o inferior del mueble son para ventilación permiten un funcionamiento fiable de la unidad, protegiendo contra calentamiento excesivo. Estas aberturas no deberán ser bloqueadas ni cubiertas. Para evitar bloquear las aberturas, nunca sitúe la unidad encima de una cama, sofá, alfombra u otra superficie similar. Tampoco instale la unidad cerca o encima de un radiador o calefactor. La unidad no deberá ser instalado en un mueble empotrado, como ser una repisa para libros o bastidor, a menos que se pueda garantizar una ventilación adecuada, y/o cuando las instrucciones del fabricante así lo especifiquen.
 - 10. FUENTES DE ALIMENTACION**
Esta unidad sólo deberá ser operada mediante el tipo de fuente de alimentación especificado en la etiqueta indicadora. Si no está seguro del tipo de fuente de alimentación que tiene en su casa, consulte a su distribuidor o a la compañía de electricidad local.
 - 11. CONEXIÓN A TIERRA O POLARIZACION**
Esta unidad está equipada con una clavija polarizada de corriente alterna (una clavija que tiene una espiga más ancha que la otra). Esta clavija solamente puede ser insertada en el tomacorriente en una sola dirección. Esta es una medida de seguridad. Si no pudiera insertar completamente la clavija en el tomacorriente, vuelva a intentarlo invirtiendo la clavija. Si aún no fuera posible insertar la clavija, tome contacto con un electricista para que reemplace su tomacorriente obsoleto. No modifique las características de seguridad de la clavija de conexión a tierra.
 - 12. PROTECCION DEL CABLE DE ALIMENTACION**
Los cables de alimentación deberán ser tendidos de manera tal que la probabilidad de que sean pisados o aplastados por otros objetos sea mínima. Preste especial atención a las clavijas de los cables, a los receptáculos, y al punto por donde salen del aparato.
 - 13. TORMENTAS ELECTRICAS**
Como medida de protección durante tormentas eléctricas, o cuando el videograbador permanezca sin uso durante períodos prolongados de tiempo, desconéctelo del tomacorriente mural y desconecte la antena o el sistema de cable. Esto evitará que la unidad resulte dañada por tormentas eléctricas o sobretensiones en la línea de alimentación.
 - 14. LINEAS DE ALIMENTACION**
Un sistema de antena exterior no debería situarse cerca de líneas de alimentación aéreas ni de otros circuitos de luz eléctrica o potencia, o donde pueda caerse o entrar en contacto con tales líneas o circuitos de alimentación. Al instalar un sistema de antena exterior, tenga mucho cuidado de no tocar tales líneas o circuitos de alimentación, ya que el contacto con ellos podría ser fatal.
 - 15. SOBRECARGA**
No sobrecargue los tomacorrientes murales ni los cables de extensión, ya que esto podría causar incendios o descargas eléctricas.
 - 16. ENTRADA DE OBJETOS Y LIQUIDOS**
Nunca introduzca objetos de ningún tipo por las aberturas de la unidad, ya que podría tocar peligrosos puntos de alta tensión o piezas de cortocircuito, provocando incendios o descargas eléctricas. Nunca derrame ni rocíe ningún tipo de líquido sobre la unidad.
 - 17. CONEXION A TIERRA DE LA ANTENA EXTERIOR**
Si se conecta una antena externa o sistema de cable a la unidad, cerciórese de que el sistema de antena o cable está conectado a tierra para darle protección contra sobretensión y acumulación de carga estática. La Sección 810 del Código Nacional de Electricidad, ANSI/NFPA 70, entrega información acerca de la manera correcta de conectar a tierra el mástil y la estructura soportante, puesta a tierra del alambre de entrada a una unidad de descarga de antena, tamaño de los conductores de puesta a tierra, ubicación de la nidad de descarga de la antena, conexión a los electrodos de tierra, y requisitos para el electrodo de tierra.
 - 18. SERVICIO**
No intente reparar la unidad usted mismo; al abrir o retirar las cubiertas usted se expondrá a alta tensión y a otros peligros. Solicite todo servicio a personal calificado.
Ejemplo:
 - a. Cuando el cable de alimentación o la clavija estén dañados.
 - b. Si se ha derramado líquido sobre la unidad, o si algún objeto ha caído dentro del videograbador.
 - c. Si la unidad ha sido expuesta a la lluvia o al agua.
 - d. Cuando a pesar de haber seguido las instrucciones de operación, la unidad no funcione normalmente.
Ajuste solamente los controles indicados en el manual de instrucciones; el ajuste incorrecto de otros controles podrá causar daños a la unidad, la que por lo general requerirá de un prolongado trabajo de reparación (por un técnico calificado) para que sus condiciones normales de operación puedan ser restablecidas.
 - e. Si la unidad se ha caída o si el gabinete se ha dañado.
 - f. Cuando la unidad muestre un cambio notorio en su rendimiento.
 - 19. PIEZAS DE REPUESTO**
Cuando sea necesario reemplazar piezas, asegúrese de que el técnico de servicio emplee las piezas de repuesto especificadas por el fabricante, o piezas que tengan las mismas características que las piezas originales. Los cambios no autorizados podrán causar incendios, descargas eléctricas y otros problemas.
 - 20. REVISION DE SEGURIDAD**
Al finalizar cualquier servicio de mantenimiento o reparación de esta unidad, solicítele al técnico que efectúe comprobaciones de seguridad para determinar si el videograbador se encuentra o no en condiciones óptimas de operación.
 - 21. CALOR**
El producto debe ser situado lejos de fuente de calor como radiadores, reguladores de calefacción, estufas o otros productos (incluyendo amplificadores) que se producen calor.
 - 22. BANDEJA DEL DISCO**
No acerque sus dedos a la bandeja del disco cuando se está cerrando. Puede recibir heridas graves.
 - 23. CONEXION**
Cuando conecte el producto a otro equipo, desconecte la alimentación y desenchufe todos los equipos del tomacorriente. En caso de no cumplimiento, se puede provocar un cortocircuito y graves daños.
Lea cuidadosamente el manual de instrucciones del otro equipo y respete las instrucciones al hacer las conexiones.
 - 24. RAYO LASER**
No mire por la ranura de la bandeja del disco por las salidas de circulación de aire del producto para ver la fuente del rayo láser. Puede dañar sus ojos.
 - 25. DISCO**
No utilice un disco rayado, deformado o reparado. Estos discos se pueden romper fácilmente y provocar serias heridas o averías en el producto.
 - 26. NOTA PARA LA PERSONA QUE INSTALE EL SISTEMA CATV**
Se ha incluido este recordatorio para llamar la atención de quien instale el sistema CATV, con respecto al Artículo 820-40 de la NEC, que entrega directivas de guía para realizar una conexión adecuada a tierra y, en particular, especifica que el cable de puesta a tierra debe ser conectado al sistema de conexión a tierra del edificio, lo más cerca del punto de entrada del cable como sea posible.
- CONDENSACION**
Se condensará humedad en la sección de funcionamiento del DVD/VCR si se lo trae de un lugar fresco a una habitación caliente o si la temperatura en la habitación sube repentinamente. En este caso, se verán afectadas las prestaciones del DVD/VCR. Para evitarlo, deje el DVD/VCR a la nueva temperatura durante aproximadamente una hora antes de conectarlo, o haga que la temperatura en la habitación suba gradualmente.
También puede condensarse humedad durante el verano si el DVD/VCR está expuesta a una corriente de aire del acondicionador de aire. En estos casos, cambie el lugar donde está instalado el DVD/VCR.

Conexión a un televisor



Ajuste del canal de vídeo

- Presione **DVD/VCR** para utilizar el DVD/VCR. Mantenga presionado **3** ó **4** durante 3 segundos en el modo desconectado para seleccionar CH 3 ó 4.
 El número del canal seleccionado parpadeará en la pantalla durante 3 segundos.
- Presione **POWER** para encender el DVD/VCR.
- Presione **DVD/VCR SELECT** para seleccionar el modo VCR.
 El indicador VCR del panel frontal se iluminará.
- Encienda el televisor y ajústelo al canal 3 ó 4, en correspondencia con el canal seleccionado en el paso 1.
- Presione **TV/VCR** para seleccionar la posición VCR.
 El indicador VCR se iluminará.
- Presione el botón selector de canal en + o - (CH + / -) para recibir una estación de TV de su área. El número de canal aparecerá en la pantalla durante unos 4 segundos.

Selección de idioma en pantalla

- Presione **VCR MENU**. Presione **SET +** ó **-** para seleccionar la opción "SYSTEM SETUP", luego presione **ENTER**.
 Si utiliza la unidad por primera vez y presiona **VCR MENU**, es posible que aparezca la pantalla de menú SYSTEM SETUP en lugar de la pantalla del menú principal.
- Presione **SET +** ó **-** para seleccionar el modo LANGUAGE, luego presione **ENTER**.
- Presione **SET +** ó **-** para seleccionar el idioma deseada: inglés (ENGLISH), español (ESPAÑOL) o francés (FRANÇAIS), luego presione **ENTER**.
- Presione **VCR MENU** para volver a la imagen normal de TV.



Ajuste de reloj automático

- 1 Conecte la antena o sistema de cable.
 - Si utiliza una caja de cable, enciéndala.
- 2 Enchufe el cable eléctrico de CA a un tomacorriente CA.
- 3 Compruebe que el DVD/VCR está apagado.
 - Si presiona **POWER**, el ajuste automático no se activará.
- 4 Espere por lo menos tres minutos y presione **POWER**.
- 5 Presione **CALL** para verificar el reloj en la pantalla.
- 6 Si el reloj no ha quedado ajustado, verifique el estado de la antena. El reloj automático no funciona en el estado de recepción.

Ajuste de reloj manual

- 1 Presione **VCR MENU**.
- 2 Presione **SET + ó -** para seleccionar la opción "SYSTEM SETUP", luego presione **ENTER**.
- 3 Presione **SET + ó -** para seleccionar la opción "CLOCK SET", luego presione **ENTER**.
- 4 Presione el botón **SET + ó -** para establecer el mes, y a continuación presione el botón **ENTER**.
- 5 Ajuste el día, año y hora de acuerdo con el procedimiento del paso 4.
- 6 Una vez ajustado el reloj, la fecha y la hora empiezan a funcionar automáticamente.

Selección de TV/CABLE

- 1 Presione **VCR MENU**. Presione **SET + ó -** para seleccionar la opción "CH SETUP", luego presione **ENTER**.
- 2 Presione **SET + ó -** para seleccionar el modo "TV/CABLE".
- 3 Presione **ENTER** para seleccionar el modo TV o CABLE. La flecha indica el modo seleccionado.

TV	- Canales de VHF/UHF
CABLE	- Canales de TV Cable
- 4 Presione **VCR MENU** para volver a la imagen normal de TV.

Ajuste automático de los canales

- 1 Repita el paso 1 descrito arriba y presione **SET + ó -** para seleccionar la opción "AUTO CH MEMORY".
- 2 Luego presione **ENTER**. Empieza la sintonización automática. La indicación de canal irá subiendo y cuando termina, la pantalla vuelve a su estado normal.

Borrado de un canal de la memoria

- 1 Repita el paso 1 descrito arriba y presione **SET + ó -** para seleccionar la opción "ADD/DELETE", luego presione **ENTER**.
- 2 Para añadir o borrar los canales deseados
 - 1) Presione los **botones de selección directa de canal (0-9)** o **SET + / -** para seleccionar un número de canal que desee añadir o borrar.
 - 2) Para añadir canales Presione **ENTER** hasta que aparezca "ADD" en la pantalla para añadir el canal sin memorizar. Para borrar canales Presione **ENTER** hasta que aparezca "DELETE" en la pantalla para borrar el canal de la memoria. El número del canal parpadeará.
 - 3) Repita de 1) a 2) para añadir o borrar otro canal.



Reproducción

1 Coloque una cinta pregrabada. (Cuando se carga una cinta de cassette sin la lengüeta de prevención de borrado, la reproducción comenzará automáticamente.)

2 PARA INICIAR LA REPRODUCCION



Presione **PLAY**. La reproducción comenzará. "▶" aparecerá en pantalla durante 4 segundos aproximadamente.

PARA INTERRUPIR REPRODUCCION



Presione **STOP** (PARADA) una vez. La cinta parará, pero permanecerá cargada y lista para reproducir. "■" aparecerá en pantalla durante 4 segundos aproximadamente.

Rebobinado o avance rápido de la cinta

Detenga la reproducción o la grabación mediante **STOP**.

Para rebobinar la cinta:



Presione **REV**.

Para avanzar la cinta:



Presione **FWD**.

Para detener el bobinado de la cinta, presione **STOP**. Para pasar directamente a reproducción (sin presionar **STOP**), presione **PLAY**.

Modo de búsqueda de imagen hacia adelante/atrás

Mientras se bobina la cinta, puede pasar al modo de búsqueda de imagen. Para ello, presione **REV** o **FWD** y manténgalo presionado. La unidad volverá a bobinar la cinta en cuanto se suelte el botón.

Búsqueda de imagen

Función de búsqueda de imagen hacia atrás

Presione **REV** una o dos veces durante la reproducción.



Función de búsqueda de imagen hacia adelante

Presione **FWD** una o dos veces durante la reproducción. Para volver a la reproducción: Presione **PLAY**.



Imagen fija

Presione **PAUSE/STILL** durante la reproducción. Para continuar la reproducción normal: Presione **PLAY** o **PAUSE/STILL**.



Cámara lenta

Durante la reproducción presione **SLOW**. Para volver a la reproducción: Presione **PLAY** o **SLOW**.



Avance cuadro a cuadro

Presione **PAUSE/STILL** durante la reproducción. Presione **SLOW** repetidamente: La imagen avanza cuadro a cuadro.

Para volver a la reproducción: Presione **PLAY** o **PAUSE/STILL**.

PAUSE/STILL



SLOW



Grabación de un programa de TV

1 Coloque un cassette en el cual la lengüeta de protección contra borrados accidentales esté intacta. El DVD/VCR se encenderá automáticamente.

2 Presione **SP/SLP** para seleccionar la velocidad de cinta deseada SP o SLP.

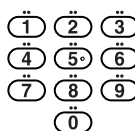


El contador y "SP" o "SLP" se aparecerá en la pantalla durante 4 segundos aproximadamente.

3 Ajuste la opción TV/CABLE en la posición apropiada.

TV - Canales de VHF/UHF
CABLE - Canales de TV Cable

4 Presione los botones de selección directa de canal para seleccionar el canal o **CH +/-** a grabar:

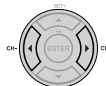


Selección directa de canal en modo de TV:

Todos los canales podrán ser seleccionados en forma instantánea usando sólo dos botones. (Por ejemplo, para seleccionar el canal 2, presione "0" y "2". Si usted sólo presiona "2", la selección del canal se retardará dos segundos.) Para los canales de 10 en adelante, presione los dos dígitos en orden.

Selección directa de canal en modo de CABLE:

1-9 Presione **0** dos veces y luego 1 al 9 como se requiera. Ej.: para seleccionar 2, presione "002".
10-12 Presione primero el **0** y luego los 2 dígitos restantes en el orden de izquierda a derecha. Ej.: presione **012** para "12".
13-99 Presione 2 dígitos en orden. Ej.: presione **22** para "22".
100-125 Presione 3 dígitos en orden. Ej.: Presione **110** para "110".



5 Presione el botón **REC/OTR**.



"●" aparecerá en la pantalla durante 4 segundos aproximadamente. El indicador "REC" aparecerá en pantalla.

6 Presione el botón de parada **STOP** para detener la grabación.

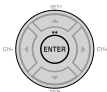


"■" aparecerá en pantalla durante 4 segundos aproximadamente.

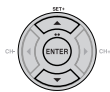


Grabación por temporizador

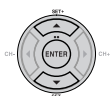
- 1** Presione **VCR MENU**.
Seleccione la opción **TIMER REC SET** y presione **ENTER**.



- 2** Presione **SET +** ó **-** para seleccionar el N° de programa, luego presione **ENTER**.



- 3** Presione **SET +** ó **-** para seleccionar la fecha deseada, luego presione **ENTER**.



- 4** Ajuste el tiempo de partida, tiempo de término, canal y velocidad de cinta como en paso 3.

- 5** Para fijar otros programas, repita los pasos 2 al 4 para fija el otro programas.



- Para volver a la pantalla normal, presione dos veces **VCR MENU**.

- 6** Presione **TIMER REC**. El símbolo de reloj (🕒) aparecerá en el visualizador y el VCR quedará en modo de espera para grabación.



Al mismo tiempo, el modo VCR cambiará automáticamente a modo DVD. Es posible utilizar el DVD incluso cuando el VCR está en modo de grabación por temporizador. Si no utiliza el DVD, apáguelo.

Grabación por temporizador de un solo toque (OTR)

- 1** Coloque un cassette con la lengüeta de protección contra borrados accidentales esté intacta.

El DVD/VCR se encenderá automáticamente.

- 2** Presione **SP/SLP** para seleccionar la velocidad de la cinta deseada SP o SLP.

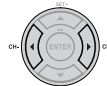
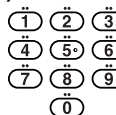


El contador y "SP" o "SLP" aparecerán en pantalla durante 4 segundos aproximadamente.

- 3** Ajuste la opción TV/CABLE en la posición apropiada.

TV - Canales de VHF/UHF
CABLE - Canales de TV Cable

- 4** Presione el botones de **selección de canales directos (0-9)** o botón **CH +/-** para seleccionar el canal a ser grabado.



- 5** Presione **REC/OTR** para comenzar la grabación. Presione el botón nuevamente para detener la grabación después de 30 minutos. Cada presión de **REC/OTR** aumentará el tiempo de grabación hasta un máximo de 6 horas. "OTR" y el tiempo de grabación aparecerá en pantalla durante 4 segundos. Y "●" aparecerá en el visualizador.



Presione	Tiempo de Grabac.	Presione	Tiempo de Grabac.
Una vez	GRABAC. NORMAL	6 veces	3:00
2 veces	0:30	7 veces	4:00
3 veces	1:00	8 veces	5:00
4 veces	1:30	9 veces	6:00
5 veces	2:00	10 veces	GRABAC. NORMAL

Para cancelar OTR

Presione **STOP (PARADA)** para apagar la energía.

"■" aparecerá en pantalla durante 4 segundos aproximadamente.

Si desea ver la reproducción del DVD durante el OTR o grabación estándar, presione **DVD/VCR SELECT** para cambiar al modo DVD y reproducir el DVD.



Reproducción básica (DVD)

Preparación:

- ENCIENDA el TV y ajústelo en el modo de entrada de vídeo.
- Presione **DVD/VCR** para utilizar el DVD/VCR.
- Presione **DVD/VCR SELECT** para seleccionar el modo DVD. (El indicador DVD se iluminará.)

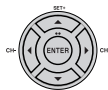
- 1** Presione **OPEN/CLOSE** en el aparato.
Se abrirá la bandeja del disco.



- 2** Coloque un disco en la bandeja. Sujete el disco, colóquelo con el lado de etiqueta impresa hacia arriba, alinee en las guías y coloque el disco en su posición correcta.

- 3** Presione **PLAY** o **OPEN/CLOSE** en el aparato. La bandeja del disco se cierra automáticamente. En la pantalla del TV la indicación "▲" cambia a "Reading" y empieza la reproducción.

- Aparece la pantalla del menú en la pantalla de TV, si el disco tiene una función de menú. En este caso, presione ▲, ▼, ◀, ▶ ó **ENTER** para activar una función de menú.



- 4** Presione **STOP** para terminar la reproducción.
- El aparato graba el punto de parada, según el disco. Aparece "■" en la pantalla. Presione **PLAY** para continuar reproduciendo (desde el mismo punto).
 - Si presiona nuevamente **STOP** o se retira el disco (Aparece "■" en la pantalla), el aparato borrará el punto de parada.



- 5** Para la reproducción, presione **STOP**. A continuación presione **OPEN/CLOSE** en el aparato. Se abre la bandeja del disco. Saque el disco y presione **OPEN/CLOSE** en el aparato y presione **POWER**. La bandeja del disco se cierra automáticamente y se desconecta el aparato.



Reproducción con avance rápido

Presione **FWD** durante la reproducción normal.

Cada vez que presione el botón de **FWD**, aumentará la velocidad de la búsqueda.

- Para seguir con la reproducción normal, presione **PLAY**.



Reproducción con retroceso rápido

Presione **REV** durante la reproducción normal.

Cada vez que presione el botón de **REV**, aumentará la velocidad de la búsqueda.

- Para seguir con la reproducción normal, presione **PLAY**.



Reproducción Fija

Presione **PAUSE/STEP** durante la reproducción normal para hacer una pausa en la reproducción.

- Para seguir con la reproducción normal, presione **PLAY**.



Avance cuadro por cuadro

Presione **PAUSE/STILL** durante la imagen fija.

Avanza un cuadro cuando presione **PAUSE/STILL** una vez.

- Para seguir con la reproducción normal, presione **PLAY**.



Reproducción de cámara lenta

Presione **SLOW** durante la reproducción normal o cuadro a cuadro.

Cada vez que presione el botón de **SLOW**, cambiará la velocidad del slow.

- Para seguir con la reproducción normal, presione **PLAY**.
- Para volver a la imagen fija, presione **PAUSE/STILL**.





Búsqueda de un capítulo o canción

Pulse **SKIP** varias veces para visualizar el capítulo o la pista que desee.

La reproducción se inicia desde el capítulo o la pista que haya seleccionado.



Para localizar capítulos o pistas subsiguientes.



La reproducción se inicia desde el principio del capítulo o pista actual. Si se pulsa dos veces, la reproducción se inicia desde el principio del capítulo o pista anterior.

Funciones básicas del control remoto

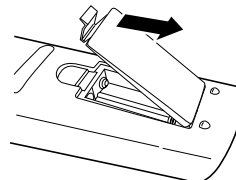
- Presione **DVD/VCR** para utilizar el DVD/VCR.
- Presione **POWER** para encender o apagar el DVD/VCR.
- Seleccione su modo operativo deseado (DVD o VCR) utilizando **DVD/VCR SELECT**. El indicador DVD o VCR del panel frontal le mostrará qué modo está seleccionado.
- Presione **CH +** o **CH -** para desplazarse por los canales uno a la vez.
- se utilizan también para navegar por el sistema de menús en pantalla.
- Los **botones de número** permiten acceder directamente a canales concretos.
- Cada vez que se presiona **DVD/VCR SELECT** en el control remoto, la pantalla alterna entre la pantalla VCR (modo VCR) y la pantalla DVD (modo DVD).

Funcionamiento

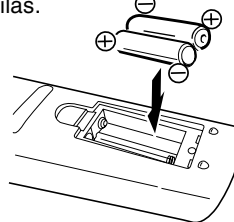
- Apunte el mando a distancia al sensor remoto y presione los botones de control para hacer funcionar.
- Utilice el control remoto dentro de un ángulo de 30° hacia ambos lados del sensor remoto, hasta una distancia de unos 7 metros.

Coloque las pilas

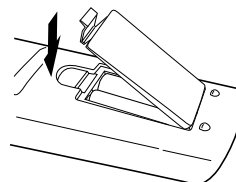
- 1** Abrir la tapa del compartimento de las pilas siguiendo la dirección de la flecha.



- 2** Coloque dos pilas "AAA", (suministradas) prestando atención a las marcas de polaridad en el compartimiento de las pilas.



- 3** Recoloque la tapa del compartimiento.



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