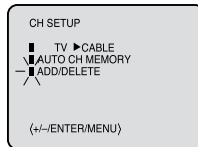
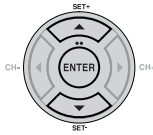


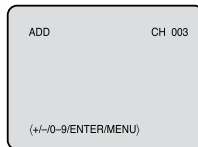
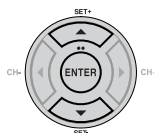
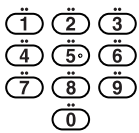
To ADD/DELETE channels

1 Repeat the step 1 on page 30. Then press **SET +** or **-** to select the "ADD/DELETE" and press **ENTER**.



2 To Add or Delete desired channels

- 1) Press **Direct channel selection buttons (0-9)** or **SET +/-** to select a channel number you want to add or delete.
- 2) **To add channels**
Press **ENTER** until "ADD" appears on the screen.
To delete channels
Press **ENTER** until "DELETE" appears on the screen. The channel number will blink
- 3) Repeat 1) to 2) to add or delete other channel.



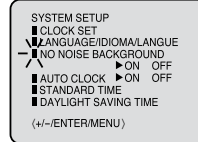
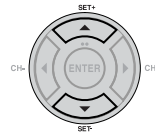
3 Press **VCR MENU** until the menu screen is cleared.



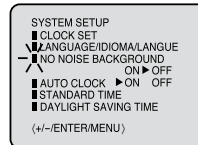
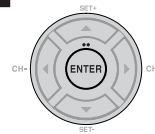
Noise elimination

When you don't want to receive a weak signal broadcast, a Blue back screen can be obtained by selecting the NO NOISE BACKGROUND "ON". When the unit is shipped from the factory, the NO NOISE BACKGROUND is set to "ON".

1 Repeat the steps 1~2 on page 29 and press **SET +** or **-** to select "NO NOISE BACKGROUND".



2 Press **ENTER** to select "ON" or "OFF" position.

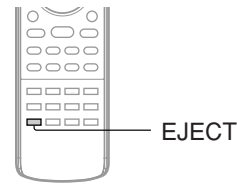


3 Press **VCR MENU** until the menu screen is cleared.



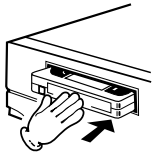
Loading and unloading a cassette tape

Use only video cassette tapes marked **VHS**.



Loading

Push the center of the tape until it is automatically inserted.



Insert the cassette tape with its labeled side facing up and the erase prevention tab positioned at your left. An inverted cassette tape cannot be inserted.



Automatic power ON

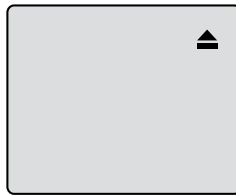
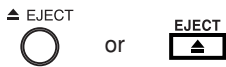
When you insert a cassette tape the DVD/VCR power will turn ON automatically.

Automatic playback

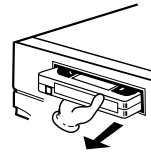
When loading a cassette tape without an erase prevention tab, playback will start automatically.

Unloading

1 Press **EJECT** on the front panel or on the remote.



2 Remove the cassette tape.



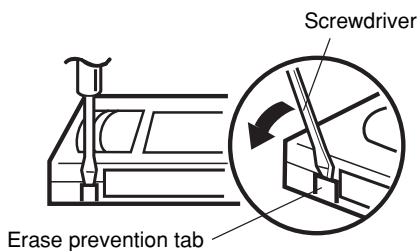
Automatic tape eject

This DVD/VCR will automatically rewind the tape when the tape has ended. Once the tape is rewound to its beginning, the cassette tape will be ejected automatically.

To prevent accidental erasure

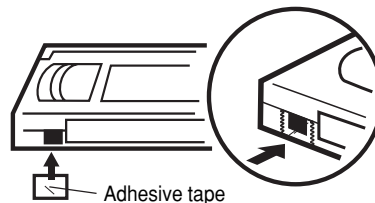
To prevent accidental erasure

Remove the erase prevention tab with a screwdriver.



To record again

Cover the hole with a piece of adhesive tape.



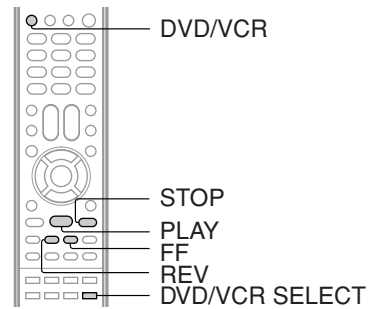
Tape speed and maximum recording time

Tape Speed	Video cassette tape				
	T-160	T-120	T-90	T-60	T-30
SP (Standard Play)	2-2/3 hours	2 hours	1-1/2 hours	1 hour	30 minutes
SLP (Super Long Play)	8 hours	6 hours	4-1/2 hours	3 hours	1-1/2 hours



Cassette tape playback

To play a prerecorded tape.



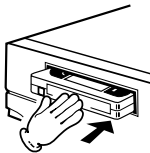
Playback

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).

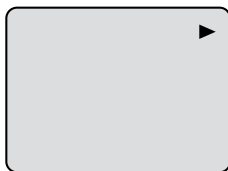
1 Load a prerecorded tape

(When loading a cassette tape without the erase prevention tab, playback will start automatically).



2 To start playback

Press **PLAY**. Playback will start. "▶" will appear on the screen for about 4 seconds.



To stop playback

Press **STOP** once. The tape will stop but remain fully loaded and ready to play. "■" will appear on the screen for about 4 seconds.



Rewind or forward the tape

Stop the playback or recording via **STOP** on remote.

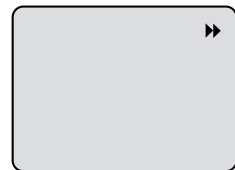
To rewind the tape:

Press **REV**.



To forward the tape:

Press **FF**.



To discontinue the tape-winding, press **STOP**. To switch to playback directly (without **STOP**), press **PLAY**.

■ Forward/Reverse picture search mode

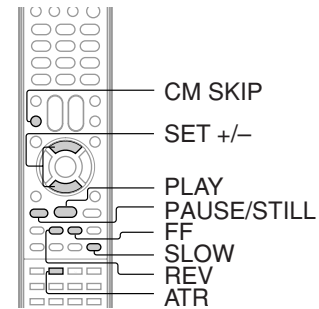
When the tape is being wound, you can switch to picture search mode (see next page). To do this, press **REV** or **FF** and hold it down. The unit will resume the tape advance or rewinding as soon as the button is released.

Playback (VCR)

Notes:

- This VCR selects the playback tape speed SP, LP or SLP automatically.
- The Cassette tape and DVD disc can be played back simultaneously. If you press **DVD/VCR SELECT**, the tape playback and DVD playback alternate with each other on the screen (via CH3, 4 or video connection).

Special playback



Picture search

Reverse picture search function

Press **REV** once or twice during playback.

Forward picture search function

Press **FF** once or twice during playback.

To return to playback, press **PLAY**.

SPEED SEARCH TIMES

TAPE SPEED	PICTURE SEARCH SPEED	
	PRESS ONCE	PRESS TWICE
SP (Standard Play)	3 X	5 X
LP (Long Play)	7 X	9 X
SLP (Super Long Play)	9 X	15 X

Still picture

Press **PAUSE/STILL** during playback.

To resume normal playback, press **PLAY** or **PAUSE/STILL**.

Slow motion

During playback press **SLOW**.

To return to playback, press **PLAY** or **SLOW**.

Slow tracking and vertical lock adjustment

If noise bars appear in the picture during slow motion, press the **SET +/-** to reduce the noise bars.

If the still picture jitters excessively, press **SET +/-** to stabilize the still picture.

Frame by frame picture

Press **PAUSE/STILL** during playback.

Press **SLOW** repeatedly: The picture advances frame by frame.

To return to playback, press **PLAY** or **PAUSE/STILL**.

CM skip

Press **CM SKIP** during playback. The DVD/VCR will search forward through approximately 30 seconds of the tape (e.g. unwanted commercial time) for each press of **CM SKIP** (maximum six presses) and then resume normal playback.

For example : 1 press: 30 seconds of tape
2 press: 60 seconds of tape
3 press: 90 seconds of tape

Adjusting tracking condition

Automatic tracking adjustment

Whenever you insert a tape and start playback, the automatic tracking feature continuously analyzes the signal to enable optimum picture quality during playback.

Manual tracking adjustment

If automatic tracking cannot eliminate noises well during playback, press **SET +/-** to eliminate the noise. "MANUAL TR." will appear on the screen. Press it briefly for a fine adjustment, or press and hold for a coarse adjustment.

Press **ATR** to reactivate automatic tracking again.

"AUTO TR." will appear on the screen.

AUTO TR.

Notes:

- The audio output is muted during PICTURE SEARCH, STILL, FRAME ADVANCE and SLOW MOTION.
- During picture search mode there will be noise bars. This is not a defect.
- Playback will commence after approx. 5 minutes to protect the video tape against excessive wear during pause mode.

Video head cleaning

Video head clogging

The video heads are the means by which the DVD/VCR reads the picture from the tape during playback. In the unlikely event that the heads become dirty enough to be clogged, no picture will be displayed. This can easily be determined if, during playback of a known good tape, there is good sound, but no picture (picture is extremely snowy). If this is the case, have the DVD/VCR checked and cleaned by qualified service personnel.



Good Picture

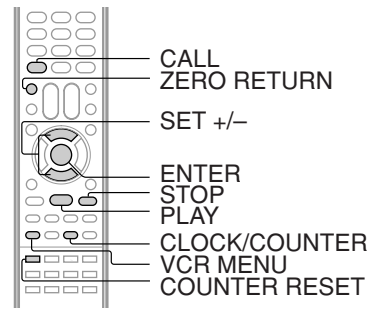


Snowy Picture

Notes:

- DO NOT ATTEMPT TO CLEAN THE VIDEO HEADS OR SERVICE THE UNIT BY REMOVING THE REAR COVER.
- Video heads may eventually wear out and should be replaced when they fail to produce clear pictures.
- To help prevent video head clogging, use only good quality VHS tapes. Discard worn out tapes.

Convenience function

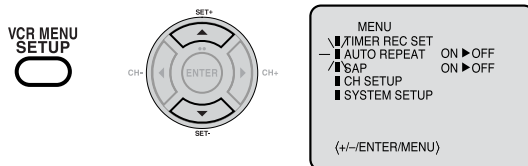


Repeat playback

The entire video tape will play until its end. The tape will automatically rewind to the beginning and the playback will be repeated.

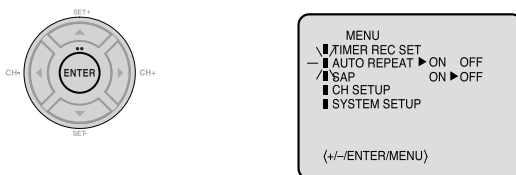
1 Press VCR MENU.

Press **SET +** or **-** to select "AUTO REPEAT".



2 Press ENTER to select "ON" or "OFF".

If "ON" is selected, the playback will be repeated endlessly.



3 Press VCR MENU until the menu screen is cleared.

If you press **CALL**, "⏪" will appear on the screen **13**.



4 To commence playback, press PLAY.

The playback will be repeated endlessly.



Zero return function

This function rewinds the tape to the "00:00:00" counter position automatically.

1 Press CLOCK/COUNTER.

The counter display shows the tape running time during playback or recording.



2 Press COUNTER RESET at the desired tape position.

The counter display will be reset to "00:00:00" position (e.g. the beginning of recording).



3 Press STOP when playback or recording is completed. Press ZERO RETURN.

The tape will automatically rewind or fast forward to the "00:00:00" counter position.

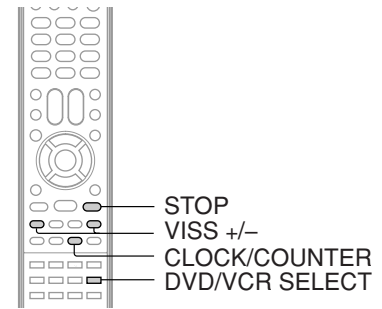


Playback (VCR)

To cancel repeat mode:

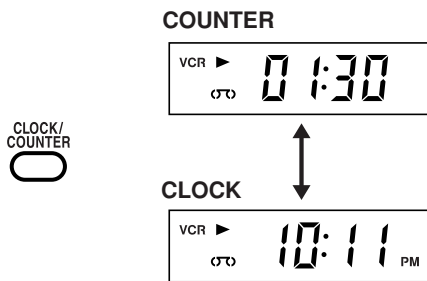
Follow the above step 1, then press **ENTER** to select "OFF" position. Press **VCR MENU** to return to the TV.

Convenience function (continued)

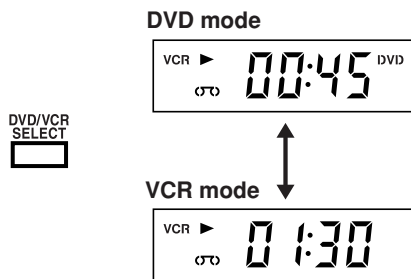


Clock/counter display

Press **CLOCK/COUNTER**. The clock and tape counter alternate with each other in the display window.



Press **DVD/VCR SELECT**. The DVD mode and the VCR mode alternate with each other in the display.



Notes:

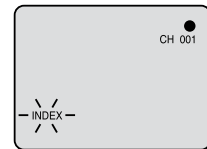
- If you rewind the tape beyond "00:00:00", a minus sign ("–") will be displayed in front of the time.
- When you load a tape, the counter will reset to "00:00:00".
- The counter does not function on nonrecorded (blank) sections of the tape. When you rewind, fast forward or play tapes through blank sections, the counter stops.

Video index search system

This function enables you to locate the beginning of any recording made on the VCR.

Recording an INDEX mark

The Index Search function automatically records an INDEX mark on the tape whenever a recording is initiated.



Index search

Press **VISS +** or **–** during stop or play mode.

For Succeeding programs: Press **VISS +**.

For Preceding programs: Press **VISS –**.

(As many as 9 index points can be accessed via this method.)

When the **VISS +** or **–** is pressed, the unit starts searching the INDEX NO. selected and finds the portion, then playback starts automatically. To stop the Index Search, press **STOP**.



SKIP/VISS-

SKIP/VISS+

STOP

▶▶ or ◀◀ is displayed

INDEX NO. (up to 9)

Notes:

- When you record an INDEX mark at the very beginning of the tape, the mark may not be found.
- During INDEX search, the tape may stop and begin to play at a slightly different location.
- INDEX may not function properly with old or worn out video tapes.
- INDEX marks may not be found if it is extremely close to the point where the search began.
- In recording, if you stop recording temporarily, the INDEX mark is not recorded on the tape.

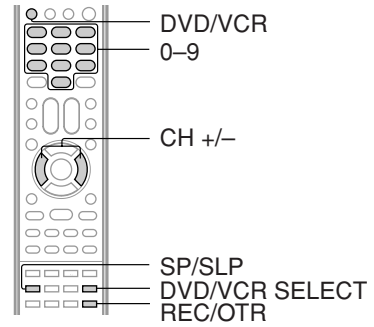
SQPB (S-VHS Quasi Playback)

You can playback video cassette tapes recorded in the S-VHS system. However, the picture will not have the high resolution of S-VHS system.

Note: You cannot record S-VHS video format with this VCR.

Recording a TV program

Recording and viewing the same TV program.



Recording a TV program

- 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.)

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

The DVD/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 Select "TV" or "CABLE" to the appropriate position [30].

TV	- VHF/UHF channels
CABLE	- Cable TV channels

4 Press Number buttons or CH +/- to select the channel to be recorded.

TV mode direct channel selection:
 All channels can be instantly selected by using two buttons. (for example, to select channel 2, press "0", then "2". If you press only "2", channel selection will be delayed for two seconds.) For channels 10 and above, press the 2 digits in order.

CABLE mode direct channel selection:

1-9 Press **0** twice and then **1-9** as required.
 Example: To select "2", Press **002**.

10-12 Press **0** first and then the remaining 2 digits in order from left to right.
 Example: Press **012** for "12".

13-99 Press 2 digits in order.
 Example: Press **22** for "22".

100-125 Press the 3 digits in order.
 Example: Press **110** for "110".

VHF/UHF/CABLE TV CHANNELS

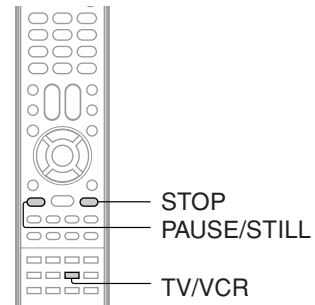
TV	CABLE TV
VHF 2-13	VHF 2-13
UHF 14-69	STD/HRC/IRC 14-36 (A) (W) 37-59 (AA) (WW) 60-85 (AAA) (ZZZ) 86-94 (86) (94) 95-99 (A-5) (A-1) 100-125 (100)(125) 01 (5A)

5 Press REC/OTR.

"●" will appear on the screen for about 4 seconds and "REC" will appear on the display window.

Recording (VCR)

Recording a TV program (continued)



To stop recording

Press **STOP** to stop recording.

“■” will appear on screen for about 4 seconds.



■ Auto Rewind feature

This VCR will automatically rewind the tape when the tape has ended (except during OTR and timer recording). It will also eject the tape.

To stop recording temporarily

Press **PAUSE/STILL** to avoid recording unwanted material. Press again to continue the recording.

“●||” will appear on screen for about 4 seconds.



Notes:

- The pause function will be released after 5 minutes to prevent damage to the tape or the VCR. The VCR will change to the STOP mode.
- You can select a recording channel in the recording pause mode.

Recording one program while watching another

While the VCR is recording, select your desired channel on the TV.

When a TV is connected with an antenna cable only, press **TV/VCR** to select the TV position.

The “VCR” display will go off and recording will continue.

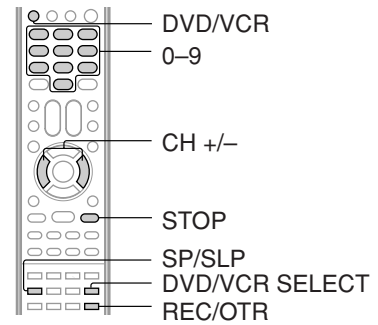
Select the TV channel you want to watch by using the TV channel selector.

Note:

Some Cable TV hookups do not permit viewing one channel while recording another. See pages [18](#) and [19](#).

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)

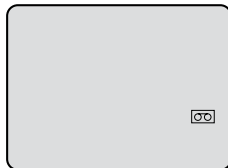
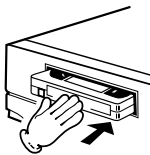
Preparation:

- 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.

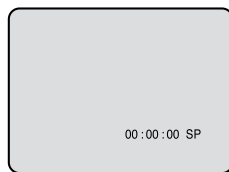
1 Load a cassette tape with the erase prevention tab intact.

The VCR will automatically turn on.



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

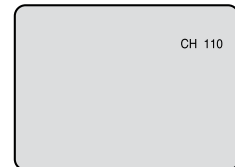
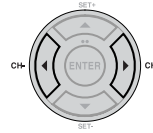
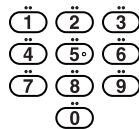
The tape counter and "SP" or "SLP" will appear on the screen for about 4 seconds.



3 Set "TV" or "CABLE" option to the appropriate position [30].

TV - VHF/UHF channels
CABLE - Cable TV channels

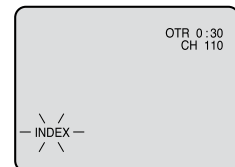
4 Press Direct channel selection buttons (0-9) or CH +/- to select the channel to be recorded.



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.

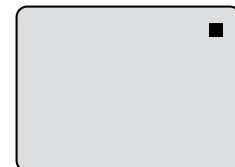
The OTR and recording time will appear on the screen for about 4 seconds. And, "●" will appear on the display.

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.

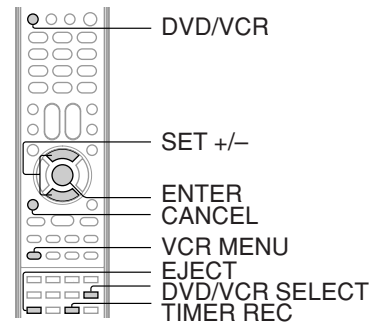
Note:

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 [45].

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.



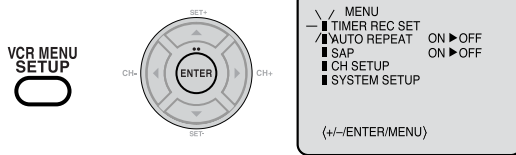
Timer recording

Preparation:

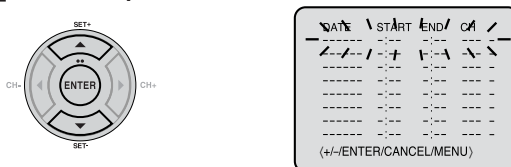
- Press **DVD/VCR** to operate the DVD/VCR.
- Press **DVD/VCR SELECT** to select the VCR mode.
- Load a cassette tape with the erase prevention tab intact.
- Check the time and date are correct [27].

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).

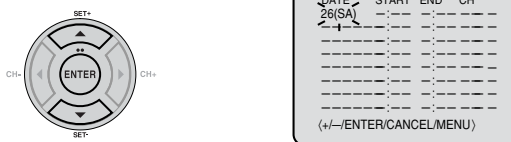
1 Press VCR MENU. Select "TIMER REC SET", then press ENTER.



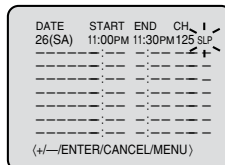
2 Press SET + or - to select one of the program line, then press ENTER.



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 stands by for recording.



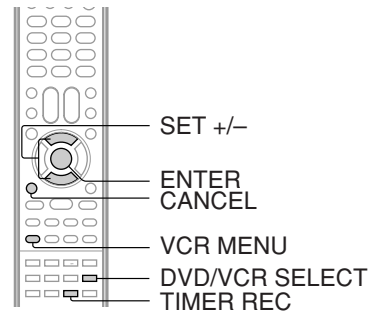
At the same time, VCR mode will change to DVD mode automatically. You can use DVD even if the VCR is in the timer recording mode. If you do not use the DVD, turn the power off.

Notes:

- The timer recording will start at 5 seconds before the time you predetermined.
- If the timer symbol (⏻) does not appear on the display in spite of the pressing of **TIMER REC**, the cassette may not have been loaded [32].
- If the cassette is ejected in spite of the pressing of **TIMER REC**, the erase prevention tab of the cassette may have been removed [32].
- 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 you use the VCR, 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 [27] 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 the previous page. 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)
 ↓
 MO-SA (Monday to Saturday)
 ↓
 MO-FR (Monday to Friday)
 ↓
 WKL-TH (Weekly Thursday)
 ←
 WKL-WE (Weekly Wednesday)

One month later minus one day



DATE	START	END	CH
WKL-WE	---	---	---
---	---	---	---
---	---	---	---
---	---	---	---
---	---	---	---
---	---	---	---
---	---	---	---
---	---	---	---

(+/-/ENTER/CANCEL/MENU)

To confirm or cancel a program

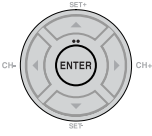
1 If the Timer has been activated, press TIMER REC to deactivate the Timer.

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

2 To confirm Timer program:

At step 1 on the previous page 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	125SLP
---	---	---	---
---	---	---	---
---	---	---	---
---	---	---	---
---	---	---	---
---	---	---	---
---	---	---	---

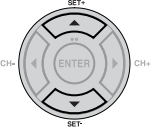

(+/-/ENTER/CANCEL/MENU)

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.

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:**
- 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.

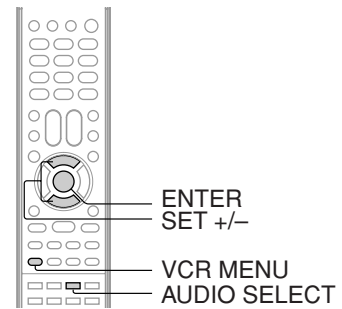
- Notes:**
- If there are other timer record programs remaining, **TIMER REC** must be pressed to reactivate the timer, otherwise the remaining timer record programs will be ignored.
 - You cannot confirm the Timer program during timer recording operation.
 - You can correct or cancel a programmed setting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



Recording (VCR)



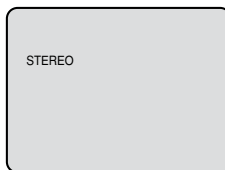
Stereo recording and playback/ Second Audio Program (SAP)



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.



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.

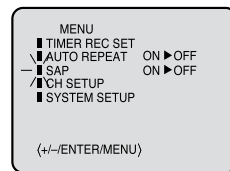
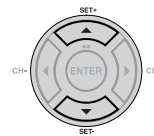
OUTPUT SELECTION	SOUND HEARD ON BOTH SPEAKERS
STEREO	STEREO
L ch	LEFT CHANNEL AUDIO
R ch	RIGHT CHANNEL AUDIO
MONO	MONO

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.

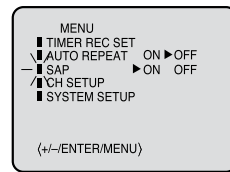
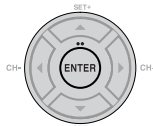
This function applies only when the program is broadcast in multi-languages through the SAP broadcast system.

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



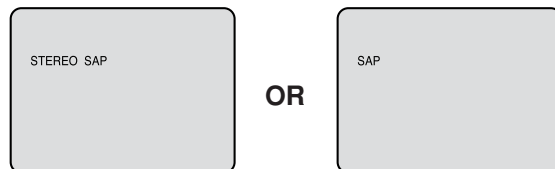
2 Press ENTER to select "ON".

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.

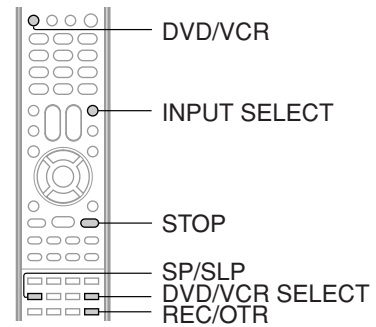


Notes:

- 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 that you 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.

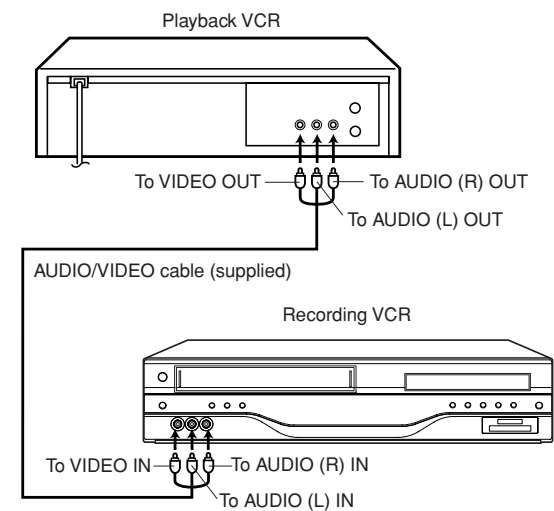
The duplicating process begins.



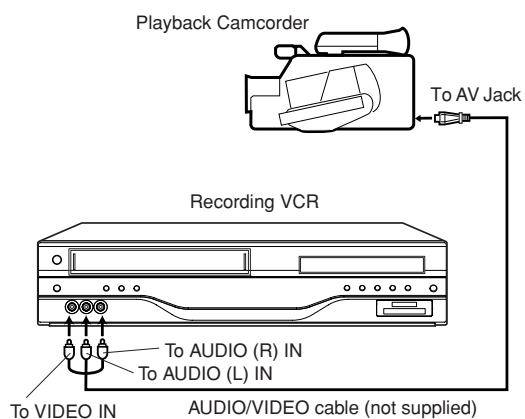
5 Press STOP after duplicating a video tape.



Connection with second VCR



Connection with Camcorder

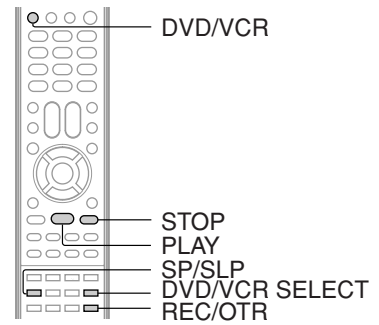


For duplicating a previously recorded tape from a camcorder, follow the camcorder manufacturer's instructions. A typical camcorder dubbing hookup is shown above.

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.

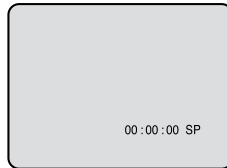


Duplicating a DVD or CD disc

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 if 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 and "Please Set P Off" will appear on the screen.
- You cannot record discs encoded with copy guard function. The following icon and text will show up on the TV screen.



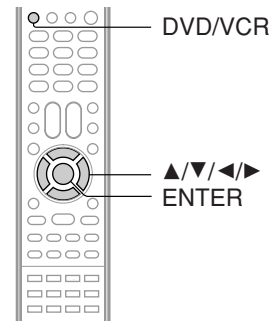
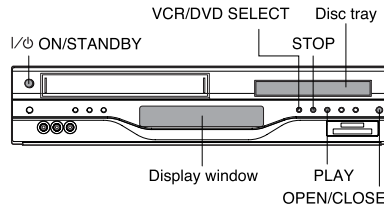
DISC IS COPY PROTECTED

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.



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.

2 Press I/O ON/STANDBY.
 The DVD/VCR turns on.

3 Press VCR/DVD SELECT to select the DVD mode.
 The DVD indicator will light.

4 Press OPEN/CLOSE.
 The disc tray opens.

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.
 The disc tray closes automatically. On the TV-screen, "▲" changes to "Reading Disc" 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.

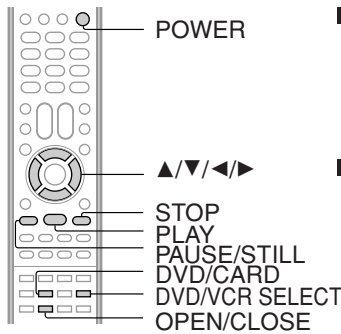
- The unit records the stopped point, depending on the disc. "■" appears on the screen. Press **PLAY** to resume playback (from the scene point).
- If you press **STOP** again or unload the disc ("■" appears on the screen.), the unit will clear the stopped point.

To start playback in the stop mode

Press **PLAY**.

Basic playback (DVD)

Basic playback (DVD)



■ To obtain a higher quality picture

Occasionally, some picture noise not usually visible during a normal broadcast may appear on the TV screen while playing a DVD video disc because the high resolution pictures on these discs include a lot of information. While 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 Media cards.

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**.

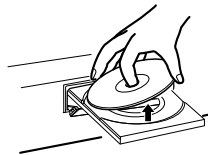


■ To remove the disc

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 37.
• 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 45.
• 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.

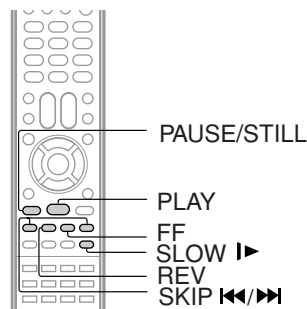
Notes:

- 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 **10** **62**.
- 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 Disc" 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 54.
- 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 you pressing the button and the function activating.
- The screen saver does not operate when connecting the DVD video player to the TV using the HDMI cable.
- If the Media card is inserted during the playback, playback will stop and change to the **CARD** mode automatically. If you wish to change to the **DVD** mode, press **DVD/CARD**.





Playing a disc (continued)

You can play discs at various speeds.




DVD VCD CD Playing in fast reverse or fast forward directions

Press REV or FF during playback.



REV: Fast reverse playback
FF: Fast forward playback

Each time you press **REV** or **FF**, 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.

DVD VCD 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.

DVD VCD Playing in slow-motion

Press SLOW (I▶) 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.

DVD VCD CD Locating a chapter or track

Press SKIP I◀◀ or ▶▶I repeatedly to display the chapter or track number you want.
Playback starts from the selected chapter or track.

 <p>To locate succeeding chapters or tracks.</p>	 <p>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.</p>
---	---

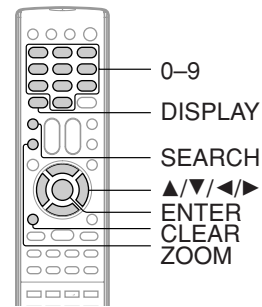
- Notes:**
- A "Prohibition" symbol  may appear at the upper left of the screen. This symbol means either the feature you tried is not available on the disc, or the DVD/VCR cannot access the feature at this time. This does not indicate a problem with the DVD/VCR.
 - The unit is capable of holding a still 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.

CM SKIP ZOOM

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).

Q 1

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).

CM SKIP ZOOM

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 SEARCH during playback or stop mode.

ZERO RETURN SEARCH

Time : --:--:-- --:--:--/---:--:--
 Title : --- -/6
 Chapter : --- -/-
 ▲▼/Enter/0-9/Clear/Search

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

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

Time : --:--:-- --:--:--/---:--:--
 Title : --- -/6
 Chapter : --- -/-
 ▲▼/Enter/0-9/Clear/Search

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

Time : --:--:-- --:~:~:~/---:~:~:~
 Title : --- -/6
 Chapter : 12- -/-
 ▲▼/Enter/0-9/Clear/Search

- 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.

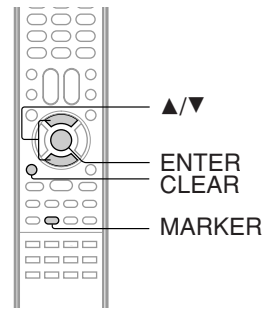
- When you change the title, playback starts from Chapter 1 of the selected title.
- Some discs may not work in the above operation.

Note:

In case of the Video-CD playback with PBC, the SEARCH does not work. To turn off PBC **54**.

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

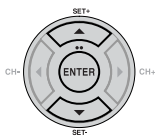
1 Press MARKER during playback.



Marker 1 : **: **: **
Marker 2 : **: **: **
Marker 3 : **: **: **
▲▼/Enter/Clear/Marker

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

- Repeat this procedure to set the other 2 scenes.



Marker 1 : 00 : 27 : 54
Marker 2 : **: **: **
Marker 3 : **: **: **
▲▼/Enter/Clear/Marker

3 Press MARKER to remove this display.



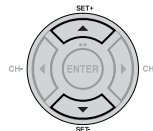
DVD VCD Returning to the scenes

1 Press MARKER during playback or stop mode.



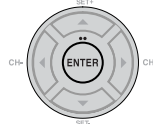
Marker 1 : 00 : 27 : 54
Marker 2 : 01 : 16 : 25
Marker 3 : 02 : 08 : 31
▲▼/Enter/Clear/Marker

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



Marker 1 : 00 : 27 : 54
Marker 2 : 01 : 16 : 25
Marker 3 : 02 : 08 : 31
▲▼/Enter/Clear/Marker

3 Press ENTER.



Playback starts from the marked scene.

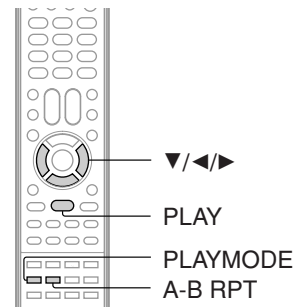
■ To cancel the Marker

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.

Repeat playback/A-B Repeat playback



DVD VCD CD Repeat playback

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

2 [DVD] Press **◀/▶** to select "Chapter" or "Title".

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

[Audio CD, Video CD, MP3/WMA CD] Press **▼** to select "Repeat". Press **◀/▶** to select "Track" or "All".

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

3 Press **PLAYMODE** again to make the screen disappear.

■ **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.

DVD VCD CD 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.

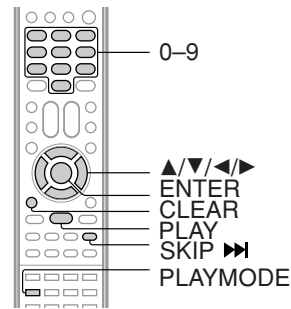
"Off" appears on the screen.

- 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 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 also the unit selects tracks or files at random and playback them. These feature works for Audio CD, Video CD and MP3/WMA/JPEG CD.



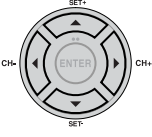
VCD CD Program playback

1 Press **PLAYMODE** during stop mode.



Play Mode	: Off
Repeat	: Off
◀▶/Play Mode	

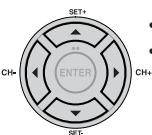
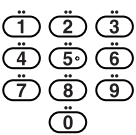
2 Press **▲/▼** to select Play Mode, then press **◀/▶** to select "Program".



Play Mode	: Program		
Repeat	: Off		
1	4	7	10
2	5	8	11
3	6	9	12
Clear	Program Playback		
◀▶▲▼/Enter/0-9/Clear/Play Mode			

3 Press **▲/▼** or **◀/▶** to select the programming position. Use Number buttons (0-9) to input the track or file numbers.

- To program others, repeat step 3.
- If you input a wrong number, press **CLEAR**.

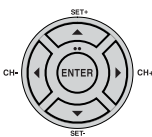



Play Mode	: Program			
Repeat	: Off			
1	9	4	7	10
2	3	5	8	11
3	11	6	9	12
Clear	Program Playback			
◀▶▲▼/Enter/0-9/Clear/Play Mode				

4 Press **▲/▼/◀/▶** to select "Program Playback" and press **ENTER**.

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

- In case of JPEG file, press **SKIP ▶▶** to continue the program playback.
- To resume normal playback, select Play Mode: "Off" in step 2.



Play Mode	: Program			
Repeat	: Off			
1	9	4	7	10
2	3	5	8	11
3	11	6	9	12
Clear	Program Playback			
◀▶▲▼/Enter/0-9/Clear/Play Mode				


- To change the program**
 - In the program mode, press **▲/▼/◀/▶** to select the track number.
 - Press **Number buttons (0-9)** to select the track number to be replaced.
- To clear the program one by one**
In the program mode, press **▲/▼/◀/▶** to select the track number. Then press **CLEAR**.
- To clear all the programs**
In the program mode, press **▲/▼/◀/▶** to select "Clear". Then press **ENTER**.

Notes:

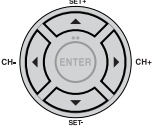
- In playing back the Video CD with PBC, you cannot set Program playback.
- The program is cancelled when you open the disc tray or turn the power off.

VCD CD Random playback

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




2 Press **▲/▼** to select Play Mode, then press **◀/▶** to select "Random".



Play Mode	: Random
Repeat	: Off
◀▶/Play Mode	

3 Press **PLAY**.



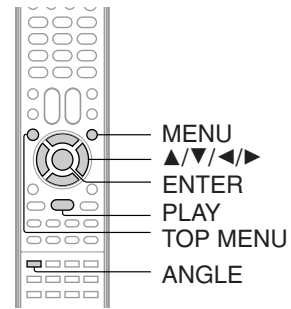
The Random Playback will start.

- 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 Play Mode: "Off" in step 2.

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

Advanced playback (DVD)

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.
 TOP MENU 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 MENU during playback.
 The DVD menu appears on the screen.
 • Press **MENU** again to resume playback at the scene when you pressed **MENU**.

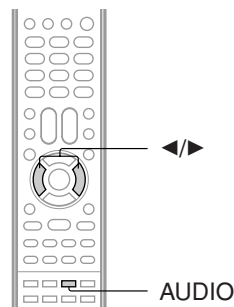
2 Press ▲/▼/◀/▶ to select the desired item.

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 pressed **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.

2/8 Fra Dolby Digital
QSound Off

2 Press AUDIO repeatedly until the desired language is selected.

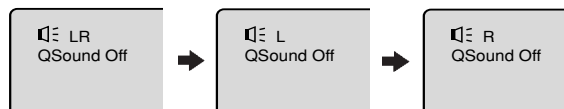


1/8 Eng Dolby Digital
QSound Off

- 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 cancelled 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

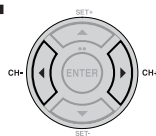
This DVD video player equipped with a "QSound". It can produce the effect of being in a cinema or a concert hall.

1 During disc playback press AUDIO.



1/8 Eng Dolby Digital
QSound Off

2 Press ◀ or ▶ to select "On".



1/8 Eng Dolby Digital
QSound 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" is effective only for the sound of disc.
- The QSound setting can also be changed in the function setting **[61]**.

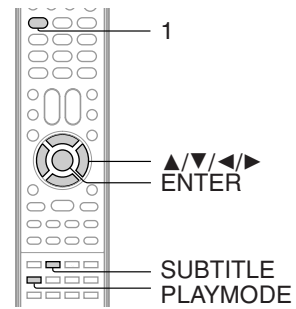


Manufactured under license from QSound Labs, Inc. U.S. patent Nos. 5,105,462, 5,208,860 and 5,440,638 and various foreign counterpart. Copyright QSound Labs, Inc. 1998-2002. QXpander™ is a trademark of QSound Labs, Inc. All rights reserved.

Advanced playback (DVD)



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.

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

- 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 (Video CD version 2.0)

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

2 Press **▲/▼** to select Play Mode, then press **◀/▶** to select "Off".

3 Press **PLAYMODE** again to make the screen disappear.

■ To turn on the PBC

Follow the above steps 1~2, then press **◀** or **▶** to select "PBC".

Note:

You can also turn off the PBC by pressing number button **1** and **ENTER** in the stop mode.



MP3/WMA/JPEG operation

This player can play back the MP3/WMA/JPEG-data which has been recorded on CD-R, CD-RW or Media card. To produce the MP3/WMA JPEG-data, you need a Windows-PC with CD-RW drive and a MP3/WMA/JPEG-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 file information

Limitations on MP3/WMA/JPEG file playback

- MP3/WMA/JPEG file is the disc/card that is standardized by ISO9660, its file name must include 3-digits extension letters, "mp3", "wma", "jpg".
- MP3/WMA/JPEG file must be correspond to the ISO standardized files.
- This unit can read 600 files per disc/card. If one directory has more than 600 files, it reads up to 600 files, the remaining files will be omitted.
- The unit is able to recognize up to a maximum of 50 directories per disc/card.
- MP3/WMA/JPEG files cannot be used for the purpose of recording.
- If the disc/card has both audio tracks and MP3/WMA/JPEG files, only audio tracks are played.
- It may take more than one minute for this unit to read MP3/WMA/JPEG files depending on its structure.
- Music recorded by "Joliet Recording Specification" can be played back, the file name is displayed (within 16 letters) on the screen. Long file names will be condensed.
- The music files recorded by "Hierarchical File System" (HFS) cannot be played.

Limitations on display

- The maximum number for display is 16 letters.
Available letters for display are the following:
capital or small alphabets of A through Z, numbers of 0 through 9, and _ (under score).
- Other letters than those above are replaced in hyphen.

Notes on MP3/WMA/JPEG files

To play back MP3/WMA/JPEG file in the recorded order,

1. Use MP3/WMA/JPEG software that records data alphabetically or numerically.
2. Name each file including two-digit or three-digit number (ex. "01" "02" or "001" "002").
3. Refrain from making too many sub-folders.

CAUTION:

- Some MP3/WMA/JPEG CDs/Cards cannot be played back depending on the recording conditions.
- The CDs/Cards that has no music data or non MP3/WMA/JPEG files cannot be played back.

Standard, sampling frequency, and the bit rate:

MP3 CD

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 CD

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.

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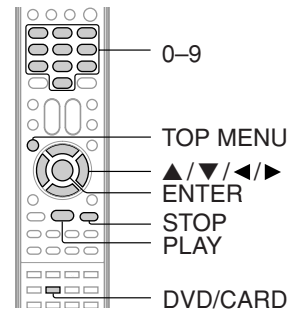
Advanced playback (DVD)

MP3/WMA/JPEG operation (continued)

CAUTION

Do not insert any foreign objects into the Media card slot as this can result in a risk of fire or electric shock.

Place a CD-R/RW on which MP3, WMA or JPEG files have been recorded onto the disc tray or insert a Media card on which MP3, WMA or JPEG files have been recorded into the media card slot on the front panel.

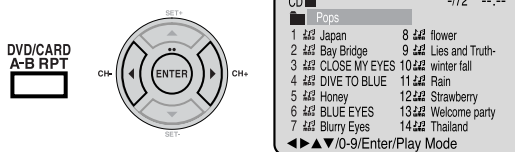


MP3/WMA CD playback

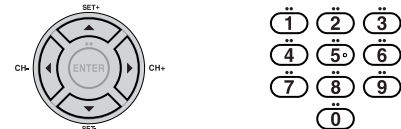
1 Place a CD-R/RW on which MP3 or WMA files have been recorded onto the disc tray, or insert a Media card on which MP3 or WMA files have been recorded into the appropriate media card slot on the front panel.

Note: When the Media card is inserted, the unit is changed to the CARD mode automatically.

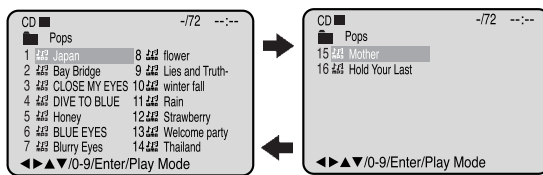
2 Press DVD/CARD to select the DVD (CD) mode or the CARD mode. A file menu screen will appear on the screen. Press ◀▶ or ENTER to select folder.



3 Press ▲/▼/◀▶ or Number buttons (0-9) to select the desired file.

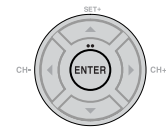


In case the folder includes more than 15 files, press ◀ or ▶ to display next file list.



When **PLAY** has been pressed after displaying the file menu, or when the disc tray has been closed using **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.

4 Press **ENTER**. The selected file starts playing back.



5 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, unload the disc or change the DVD mode and the CARD mode, the unit will clear the stopped point.

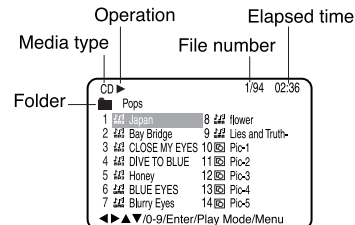
To eject the Media card

Confirm the Media card is not in use now. Pull the card out slowly and straight.

Note:

Do not remove the card while it is in use. If removed while in use, information on the card may be lost.

About file menu



Media type	File type
CD: CD-R/RW	: MP3-file
SD: SD (Secure Digital™) memory card	: WMA-file
MMC: MMC (MultiMediaCard™)	: JPEG-file
xD: xD-Picture Card	
MS: Memory Stick™(Pro)	
CF: CompactFlash® memory card	

Notes:

- The picture menu is displayed when the FUJICOLOR CD or the Kodak Picture CD are played. To display the file menu, press **TOP MENU**.
- In the case of a CD containing a mixture of MP3, WMA and JPEG files, the files are played back by selecting them from the file menu.
- MP3 or WMA file on the Kodak Picture CD is not recognized on this unit.

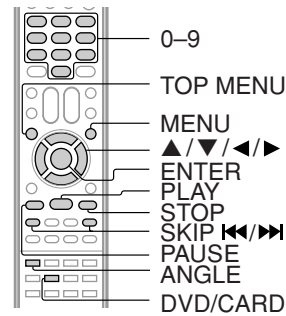
Notes:

- During MP3/WMA/JPEG-Playback, you cannot use SEARCH, A-B Repeat functions.
- You can use Repeat (Track or All), Random functions and Program playback for MP3/WMA/JPEG Playback **[50][51]**.
- When the Media card is inserted into the both card slots, the upper card slot is read. If you want to playback the CompactFlash memory card in the lower card slot, eject the Media card from the upper card slot.



CAUTION

Do not insert any foreign objects into the Media card slot as this can result in a risk of fire or electric shock.

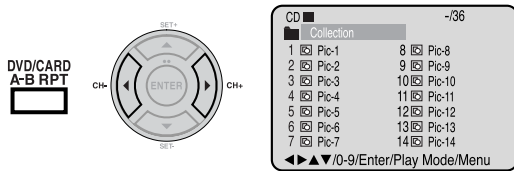


CD CARD JPEG playback

1 Place a CD-R/RW on which JPEG files have been recorded onto the disc tray, or insert a Media card on which JPEG files have been recorded into the appropriate media card slot on the front panel.

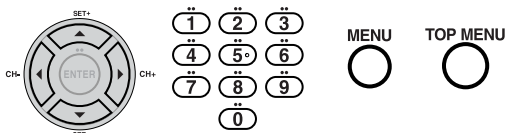
Note: When the Media card is inserted, the unit is changed to the CARD mode automatically.

2 Press DVD/CARD to select the DVD (CD) mode or the CARD mode. file menu screen will appear on the screen. Press ◀/▶ to select folder.



3 Press ▲/▼/◀/▶ or Number buttons (0-9) to select the desired file.

To display a picture menu, press **MENU**.
(To return to a file menu, press **TOP MENU**.)
Press ◀/▶ or ▲/▼ to select the desired file.



- To display next list, press **SKIP ◀◀/▶▶**.
- When **PLAY** has been pressed after displaying the file menu, 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 an MP3/WMA file, only MP3/WMA files are played back in order.

4 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 briefly on the screen.

5 Press **STOP** to end playback.

The file menu appears on the screen.
If you want to watch the other file, repeat steps 3 ~ 4.



CD CARD JPEG slide show

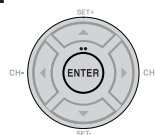
The slide show enables you to view pictures (files) one after another automatically.

Preparation:

Set “JPEG Interval” setting to “5 Seconds”, “10 Seconds” or “15 Seconds” [61].

1 Select your desired starting file for the slide show in the step 4 as left.

2 Press **ENTER** to start slide show from the selected file.



- If you press **PAUSE** 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.
“▶◀”, “▶◀”, “▶◀” or “▶◀” appears briefly on the screen.
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.

To eject the Media card

Confirm the Media card is not in use now. Pull the card out slowly and straight.

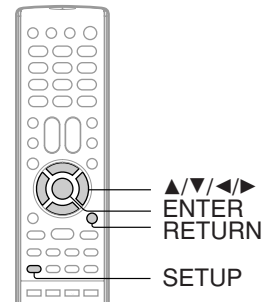
Notes:

- Do not remove the card while it is in use. If removed while in use, information on the card may be lost.
- 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” on page 62.
- When the Media card is inserted into the both card slots, the upper card slot is read. If you want to playback the CompactFlash memory card in the lower card slot, eject the Media card from the upper card slot.

Advanced playback (DVD)

Customizing the function settings

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

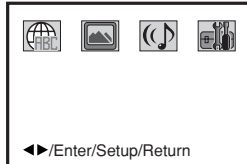


Setting procedure

1 Press SETUP during stop mode.



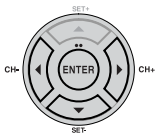
The following on-screen display appears.



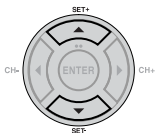
5 To make SETUP screen disappear, press SETUP or RETURN.



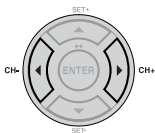
2 Press ◀ or ▶ to select the desired section, then press ▼ or ENTER.



3 Press ▲ or ▼ to select the desired option.



4 Change the selection using ◀ or ▶, by referring to the corresponding pages 60~63.







- Repeat steps 3 and 4 to change other settings.
- To select another operation, go back to step 2 by pressing ▲ repeatedly.



Customizing the function settings (continued)

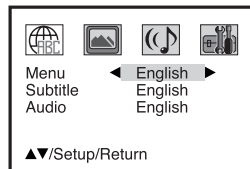
Setting details

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.	60
	E.B.L.	To select On or Off for E.B.L. (Enhanced Black Level).	60
	TV Screen	To select a picture size according to the aspect ratio of your TV.	60
	Display	To turn on or de-activate the operational status display on the screen.	60
	Picture Mode	To select a preferred picture mode from "Video", "Film" or "Auto".	61
	JPEG Interval	To select a preferred setting for the slide show playback.	61
	Dialogue	To select On or Off for DRC (Dynamic Range Control).	61
	QSound	To select On or Off for QSound.	61
	Digital Out	To select an output sound format corresponding to your system connection.	61
	Password	Input 4-digit password to set the parental level.	62
	Parental	To select a preferred parental level for the parental setting.	62
	Select Files	To select a preferred file type for playing back a CD containing a mixture of file types.	62
	HD Jpeg	To select On or Off for HD Jpeg.	62
	Output	To select a preferred video output signal from "Progressive" or "Interlace".	62

Function setup (DVD)

Customizing the function settings (continued)

Setting details



■ 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” [\[65\]](#)).

Original: (Audio)

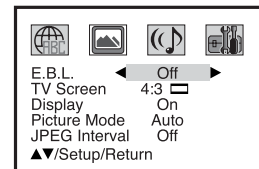
The unit will select the first priority language of each disc.

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 [\[26\]](#).



■ E.B.L.

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

On: Enhanced grey scale (0 IRE cut off)

Off: Standard grey scale (7.5 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.

Press **OPEN/CLOSE** to view in the selected screen size.

Note:

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

■ Display

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

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

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



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.

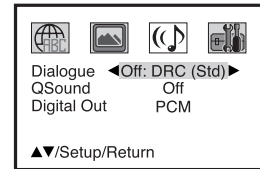
- Auto:** Select this position normally. The DVD player automatically detects source content, film or video, of playback source, and converts that signal in the progressive output format in an appropriate method.
- Film:** The DVD player converts film content pictures in the progressive output format 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 in 15 second intervals.



Dialogue

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

- On: DRC (TV):**
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.
- Off: DRC (Std):**
It plays back at the recording level on the disc.

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.

- On:** The QSound operates.
- Off:** The QSound is disengaged.

Note:
The QSound setting can also be changed with **AUDIO** on the remote control **[53]**.

Digital Out

Selected the output sound format corresponding to your system connection.

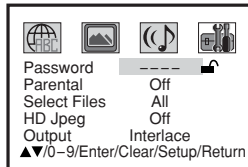
- PCM:**
Select when connected to a 2 channel digital stereo amplifier.
- Raw:**
Disc audio raw data will be output.

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 control setting

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

- Press ▲ or ▼ to select "Parental", then press ◀ or ▶ until the level you require appears.
 - **Level Off:** The parental control setting does not function.
 - **Level 8:** Virtually all DVD software can be played back.
 - **Level 1:** DVD software for adults cannot be played back.

Select from the level 1 to level 8. The limitation will be more severe as the level number is lower.

- Press ▲ or ▼ to select "Password". Press **Number buttons (0-9)** to input a 4-digit password. Be sure to remember this number!
 - If you input a wrong number, press **CLEAR**.
- Press **ENTER** to store the password.

Note: Now the rating is locked and the setting cannot be changed unless you enter the correct password.
- Press **OPEN/CLOSE** to activate Parental control setting. (See "Temporary disabling of rating level by DVD disc" on page 64.)

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.

■ To change the parental level

- Press ▲ or ▼ to select "Password".
- Press **Number buttons (0-9)** to enter the password you have stored.
- Press **ENTER**.
 - The rating is now unlocked.
- Press ▲ or ▼ to select "Parental", then press ◀ or ▶ to change the parental level.
- Press ▲ or ▼ to select "Password", then press **Number buttons (0-9)** to enter the password.

Note: You can change the password if you want.
- Press **ENTER**.

Now the parental level is changed and locked.

If you forget the password...

- Press **OPEN/CLOSE** to open the disc tray.
- Remove the disc.
- Press **OPEN/CLOSE** again to close the disc tray. "No Disc" appears on the screen.
- While holding **7** down on the remote control, press **STOP** on the front panel. "PASSWORD CLEAR" appears on the screen.
- Enter a new password again.

■ Select Files

When playing back a CD or Media card containing a mixture of MP3, WMA and JPEG files, only MP3/WMA or JPEG files can be displayed on the file menu.

All:

Displays all files.

Music Only:

Displays only MP3/WMA files.

Pictures Only:

Displays only JPEG files.

■ HD Jpeg

This DVD video player equipped with a "HD Jpeg". 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 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 ►, 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, the VIDEO (yellow) and S-VIDEO outputs are disabled.

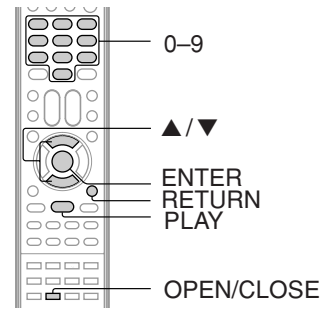
Note:

If each setup (pages 60~63) has been completed, the unit can always be worked under the same conditions (especially with DVD discs).

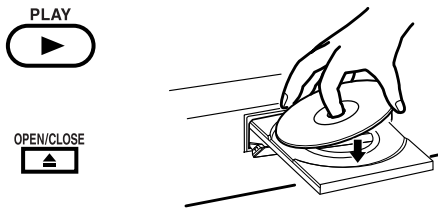
Each setup will be retained in the memory even if you turn the power off.

Temporary disabling of rating level by DVD disc

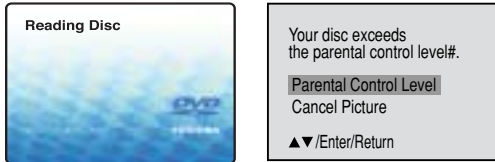
Depending on the DVD disc, the disc may try to temporarily cancel the rating level that you have set. It is up to you to decide whether to cancel the rating level or not.



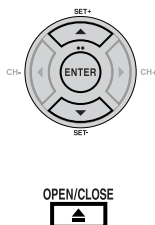
- 1** Load a DVD disc and press **PLAY** or **OPEN/CLOSE** on the unit [45].



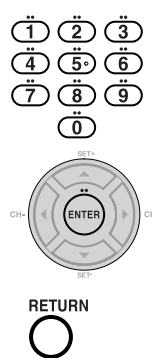
- 2** If the DVD disc has been designed to temporarily cancel the Rating level, the screen which follows the "Reading Disc" screen will change, depending on which disc is played. If you select "YES" with the **ENTER** key, "Your disc exceeds the parental control level#." screen will then appear.



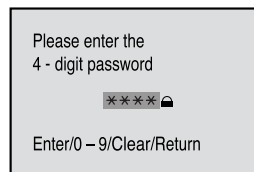
- 3** If you wish to cancel the set rating level temporarily, select "Parental Control Level" with **▲** or **▼**, then press **ENTER**. If the 4-digit password at step 2 on page 62 has been set, the password entering screen will appear as shown in step 4. Alternatively, if the password has not been set, playback will commence. If you don't know (or have forgotten) the password, select "Cancel Picture". The setting screen will disappear. Press **OPEN/CLOSE** to remove the disc.



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



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



- 5** 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.

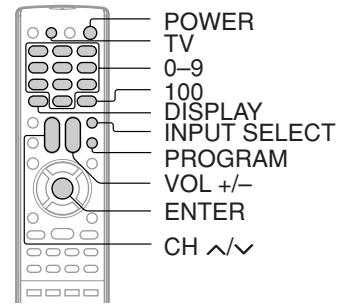
Language code list

Enter the appropriate code number for the initial settings "Menu", "Subtitle" and/or "Audio" **60**.

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

Multi brand remote control

The remote control can be compatible with various brands of TV/ Cable box/DSS® satellite receiver by setting their control codes. The TOSHIBA code has initially been set to control TOSHIBA TVs.

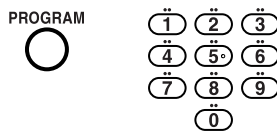


Setting TV control codes

1 Press TV to set the remote control operating your TV.



2 While holding down PROGRAM enter the two digits of your TV's brand code (listed below) using Number buttons (0-9), then release PROGRAM.



Point the remote control at your TV and use each button listed below to make sure that your TV is operated correctly.

- POWER To turn the TV on or off.
- CH ~/> To select TV channels in the upper or lower direction.
- VOL +/- To adjust the sound level.
- INPUT SELECT To select an external source such as a VCR.
- Number buttons (0-9) To select TV channels. When selecting channels 1 to 9, first enter 0 and then desired number.
- 100 To substitute for 100 channel key.
- DISPLAY To turn on or off TV's screen display.
- ENTER To use for the TV's ENTER key.

Important

Some TV's may not respond to all the operations left, or may not be operated at all with this remote control. In this case, operate your TV with its own remote control.

Table of TV brand codes

Brand name of your TV	Brand Code	Brand name of your TV	Brand Code
Toshiba	01	Penney	01, 02, 07, 11, 12
Bell & Howell	09	Philco	10
Carver	10	Philips	10
Celebrity	03	Pioneer	16
Citizen	12	Princeclub	12
Curtis Mathes	09, 12	Prism	07
Dumont	14	Proscan	02
Electro band	03	Proton	11
Emerson	09,11	Pulser	14
Fisher	09	Quasar	07, 15
GE	02, 07, 11	Radio Shack	13
Gibraltar	14	RCA	02
Goldstar	11	Realistic	09, 11, 13
Hallmark	11	Runco(NEC)	14
Hitachi	06	Samsung	11, 12
Infinity	10	Sanyo	09
JBL	10	Scotch	11
JCB	03	Scott	11
JVC	05	Sears	01, 02, 09, 10, 11
LXI	01, 02, 09, 10, 11	Sharp	08, 13
Magnavox	10	Sony	03
Marantz	10	Soundesign	11
Megatron	06, 11	Supreme	03
Memorex	04, 09, 11	Sylvania	10
MGA	04, 11	Tandy	08
Midland	02,07, 14	Technics	07, 15
Mitsubishi	04, 11	Techwood	07
Motorola	08	Teknika	04,10,12
MTC	12	TMK	11
NAD	01, 11	Victor	05
Nikko	11	Vidikron	10
Optimus	09	Vidtech	11
Optonica	08	Wards	10, 11,13
Panasonic	07, 10, 15	Zenith	14

Notes:

- For some brands, several control codes (brand codes) are allocated. Try each of them until the buttons work on your TV.
- If you replace the remote control's batteries, set the brand code again.

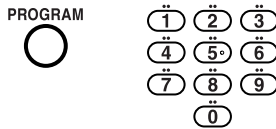


Setting Cable box/DSS® satellite receiver control codes

1 Press **CABLE BOX** to set the remote control operating your Cable box/DSS® satellite receiver.



2 While holding down **PROGRAM** enter the two digits of your Cable box/DSS® satellite receiver brand code (listed below) using Number buttons (0–9), then release **PROGRAM**.



Point the remote control at your Cable box/DSS® satellite receiver and use each button listed below to make sure that your Cable box/DSS® satellite receiver is operated correctly.

POWER To turn the Cable box/DSS® satellite receiver on or off.

CH \wedge/\vee To select cable/satellite channels in the upper or lower direction. (Not applicable to some brands of cable box/satellite receiver.)

Number buttons (0–9) To select desired channels to record.

ENTER To use for the Cable box's ENTER key.

(Some cable boxes require you to use 100 button as the enter button.)

Important

Some Cable box/DSS® satellite receiver may not respond to all the operations left, or may not be operated at all with this remote control. In this case, operate them with its own remote control.

Notes:

- For some brands, several control codes (brand codes) are allocated. Try each of them until the buttons work on your Cable box/DSS® satellite receiver.
- If you replace the remote control's batteries, set the brand code again.

Table of Cable box brand codes

Brand name of your cable box	Brand Code	Brand name of your cable box	Brand Code
Toshiba	36	Philips	4, 13, 20, 21, 22, 23, 24, 25, 26, 58, 62, 84
Anvision	13, 20, 21, 22, 23, 24, 25, 26, 58, 62, 84	Pioneer	5, 6, 78
Archer	1, 20, 21, 29, 42, 44, 63, 88, 91	Pulsar	30, 42, 44, 52, 63, 88
Cablestar	13, 20, 21, 22, 23, 24, 25, 26, 58, 62, 84	Randtek	13, 20, 21, 22, 23, 24, 25, 26, 58, 62, 84
Cableview	30, 42, 44, 52, 63, 88	RCA	6, 8, 16, 17
Citizen	30, 42, 44, 52, 63, 88	Realistic	44, 88
Curtis	8, 9, 56, 61	Regal	14, 23, 41, 84
Diamond	1, 20, 21, 29, 42, 44, 63, 88, 91	Regency	26, 28
Eagle	13, 20, 21, 22, 23, 24, 25, 26, 58, 62, 84	Rembrandt	29, 32, 38, 39, 42, 44, 88
Eastern	26, 28	Samsung	4, 6, 32, 42, 78
GC Brand	30, 42, 44, 52, 63, 88	Scientific Atlanta	8, 9, 56, 61
Gemini	4, 30, 85	Sheritech	27
General Instrument	1, 2, 3, 4, 31, 34, 55, 83, 85, 91	SL Mark	4, 6, 32, 42, 78
Hamlin	14, 15, 28, 41	Sprucher	6, 8, 16, 17
Hitachi	31, 79, 80	Stargate	4, 6, 30, 32, 42, 44, 52, 63, 78, 88
Jerrold	1, 2, 3, 4, 31, 34, 55, 85, 91	Sylvania	19
Macom	31, 79, 80	Teknika	74
Magnavox	13, 20, 21, 22, 23, 24, 25, 26, 58, 62, 84	Telecaption	77
Movietime	29, 32, 38, 39, 42, 44, 88	Television	4, 6, 32, 42, 78
NSC	29, 32, 38, 39, 42, 44, 88	Texscan	18, 19
OAK	10, 11, 12, 13, 46	Tocom	1, 33, 34, 42, 48, 49, 73, 91
OAK Sigma	10, 11, 12, 13, 46	Unica	1, 20, 21, 29, 42, 44, 63, 88, 91
Panasonic	6, 8, 16, 17	Universal	29, 42, 43, 44, 52, 63, 82, 88
		Videoway	7, 23, 45, 50, 84
		Viewstar	13, 20, 21, 22, 23, 24, 25, 26, 58, 62, 84
		Warner Amex	6
		Zenith	7, 23, 45, 50, 84

Others

Table of DSS® satellite receiver brand codes

Brand name	Brand code	Brand name	Brand code
Toshiba	99	Draker	94
RCA	98	Primestar	93
Sony	97	Hitachi	92, 89
Magnavox	95, 96	Panasonic	90

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.	<ul style="list-style-type: none"> • 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 – 5 33,45
No picture.	<ul style="list-style-type: none"> • 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 25 16~22 – –
No sound.	<ul style="list-style-type: none"> • Check the unit is connected correctly. • Check the input selector of the amplifier is set properly. • The unit is in the Special playback mode. 	16~22 – 34,47
The remote control does not function.	<ul style="list-style-type: none"> • Make sure the DVD/VCR•TV•CABLE BOX mode is set properly. • 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. 	15
No Cable TV reception.	<ul style="list-style-type: none"> • Check all Cable TV connections. • Station or Cable TV system problems, try another station. 	18~19
VCR		
TV recording does not work.	<ul style="list-style-type: none"> • The erase prevention tab of the video cassette is broken off. • The unit is in the external input mode. 	32,37
Timer recording does not work.	<ul style="list-style-type: none"> • 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). 	27 40 40
Noise bars on screen.	<ul style="list-style-type: none"> • Tracking adjustment beyond range of automatic tracking circuit. Try Manual tracking adjustment. • Video heads are dirty. • The tape is worn or damaged. 	34 34 –
DVD		
Display is not shown in your language.	<ul style="list-style-type: none"> • Select proper language in the menu options. 	60
Playback doesn't start.	<ul style="list-style-type: none"> • No disc is inserted. • The disc may be dirty. Clean up the disc. • The unit cannot play DVD-ROMs, etc. 	45 8 10
Stopping playback, slow-motion play, repeat play, or memory play, etc. cannot be performed.	<ul style="list-style-type: none"> • Some discs may not do some of the functions. 	–
No picture, or the screen is blurred or divided into two parts.	<ul style="list-style-type: none"> • The PROGRESSIVE scan is "On" although the unit is connected to a TV via the VIDEO OUT or the S-VIDEO OUT jack. 	63
No 4:3 (16:9) picture.	<ul style="list-style-type: none"> • The setup does not match your TV. 	60
No on-screen display.	<ul style="list-style-type: none"> • Select Display "On". 	60
No surround sound.	<ul style="list-style-type: none"> • The setup does not match your stereo system. 	23,24
The unit or remote operation key is not functioning.	<ul style="list-style-type: none"> • 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.	<ul style="list-style-type: none"> • Check the Parental setup. 	62,64
Audio soundtrack and/or subtitle language is not changed when you play back a DVD.	<ul style="list-style-type: none"> • Multilingual language is not recorded on the DVD disc. 	53,54
No subtitle.	<ul style="list-style-type: none"> • Some discs have no subtitles. • Subtitles are cleared. Press SUBTITLE. 	54
Angle cannot be changed.	<ul style="list-style-type: none"> • Multi-angles are not recorded on the DVD disc. 	52
⏸ appears on the screen.	<ul style="list-style-type: none"> • The function is prohibited with the unit or the disc. 	47



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 mm) Height: 3-1/2 inches (89.5 mm) Depth: 9-1/16 inches (230 mm)
Tuner	181 channel freq. synthesized VHF 2-13 UHF 14-69 Cable TV 113 Channels
Antenna input/output	UHF/VHF 75 K 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
FF/REW 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	90dB (DVD)
Harmonic distortion	0.02% (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 K, negative sync., pin jack x 2
Video output	1.0 V (p-p), 75 K, negative sync., pin jack x 1
Audio input	-8 dBm, 50 kK, negative sync., pin jack (L/R) x 2
Audio output	-8 dBm, 1 kK, negative sync., pin jack (L/R) x 1
DVD	
S-video output	(Y) 1.0 V (p-p), 75 K, negative sync., Mini DIN 4-pin x 1 (C) 0.286 V (p-p), 75 K
Component video output	(Y) 1.0 V (p-p), 75 K, negative sync., pin jack x 1 (P _B)/(P _R) 0.7 V (p-p), 75 K, pin jack x 2
Audio output (DIGITAL COAXIAL)	0.5 V (p-p), 75 K, pin jack x 1
Audio output (DIGITAL OPTICAL)	Optical connector x 1
Audio output (ANALOG)	-12 dBm, 1 kK, pin jacks (L, R) x 1

Supplied accessories

Audio/video cable	1
Remote control (SE-R0172)	1
Batteries (AAA)	2
75 K coaxial cable	1
HDMI 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

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.

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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

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.

ALL WARRANTIES IMPLIED BY THE LAW OF ANY STATE OF THE U.S.A., INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE EXPRESSLY LIMITED TO THE DURATION OF THE LIMITED WARRANTIES SET FORTH ABOVE. WITH THE EXCEPTION OF ANY WARRANTIES IMPLIED BY THE LAW OF ANY STATE OF THE U.S.A. AS HEREBY LIMITED, THE FOREGOING WARRANTY IS EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES, GUARANTEES, AGREEMENTS, AND SIMILAR OBLIGATIONS OF TACP WITH RESPECT TO THE REPAIR OR REPLACEMENT OF ANY PARTS. IN NO EVENT SHALL TACP BE LIABLE FOR CONSEQUENTIAL OR INCIDENTAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, LOST PROFITS, BUSINESS INTERRUPTION, OR MODIFICATION OR ERASURE OF RECORDED DATA CAUSED BY USE, MISUSE OR INABILITY TO USE THIS PRODUCT).

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.



Others



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J2F90201A SH 05/04

Printed in Thailand