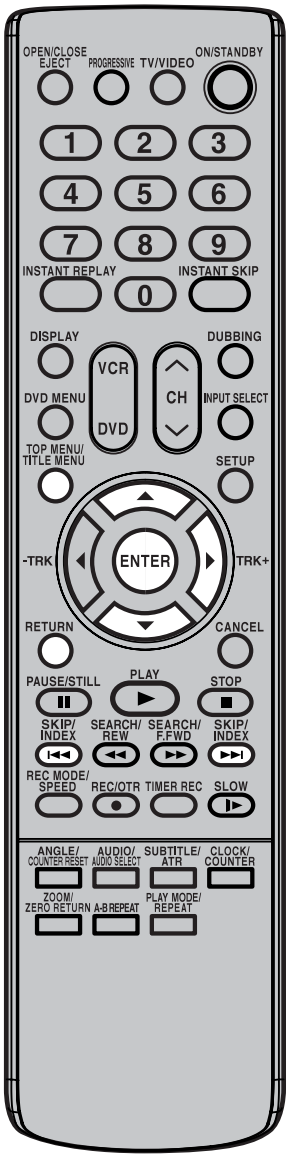
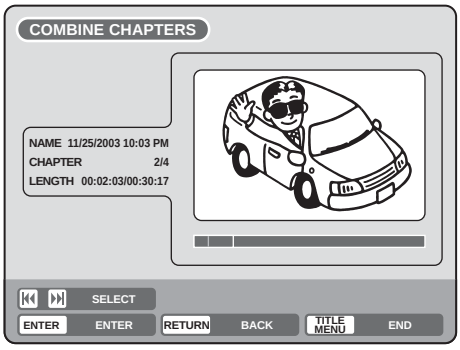
Editing an original title



NOTE:
The title name can be a maximum of 64 characters in VR mode and a maximum of 30 characters in Video mode.
Long names will be shortened in the title menu.



4 Press **SKIP +** or **SKIP -** to select the chapter marks to be erased.

5 Press **ENTER**.
The chapter marks are erased and 2 chapters are combined into 1 chapter.

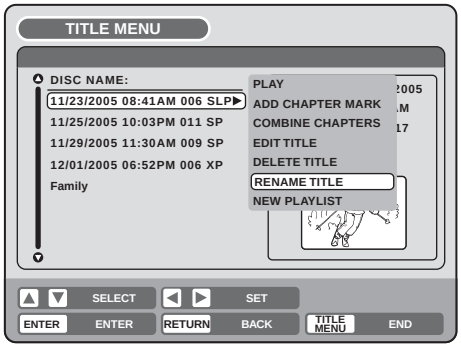
6 To continue erasing the chapter marks, repeat steps **4** and **5**.

7 The combining chapters will completed.
- To display the title menu, press **RETURN**.
- To return to the normal screen, press **TITLE MENU**.

Changing an original title name

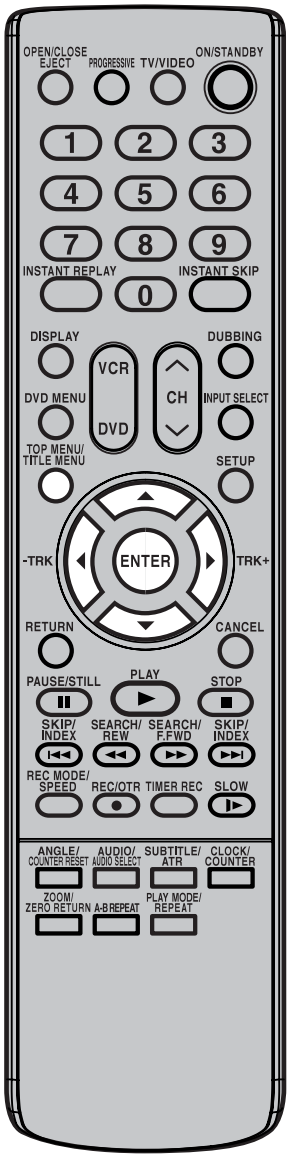
1 Press **TITLE MENU** to display the title menu.

2 Select the original title that you want to rename.
- Press ▲ or ▼ to select the original title.
- Press ▶ to display the editing menu of original title.
- Press ▲ or ▼ to select “RENAME TITLE”.



3 Press **ENTER**.
The keyboard screen will appear.
The entering method of the title name is the same as for the playlist.
See the steps **4** and **5** of “Changing a title name” in “Editing a playlist” (page 64) and enter the title name.

Editing an original title



NOTES:

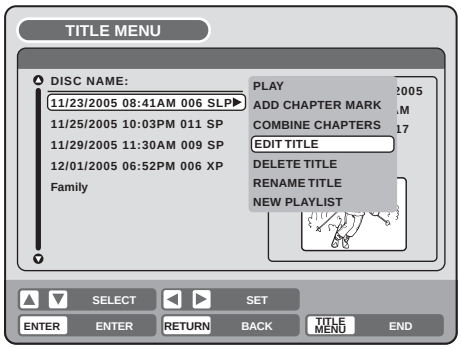
- If the scene is erased from the original title, the created playlist is erased.
- Disc space will only be freed up if scenes lasting several minutes are deleted.
- A chapter mark is automatically added at the location of the erased scene.

Erasing a scene (Edit title) RAM VR

You can erase an unnecessary scene from the original title.
Erase the scene after checking the title. You cannot restore the erased scene.
When you erase the scene, you can increase the disc space.

1 Press **TITLE MENU** to display the title menu.

2 Select the original title where a scene you want to erase is included.
- Press ▲ or ▼ to select the original title.
- Press ▶ to display the editing menu of original title.
- Press ▲ or ▼ to select “EDIT TITLE”.

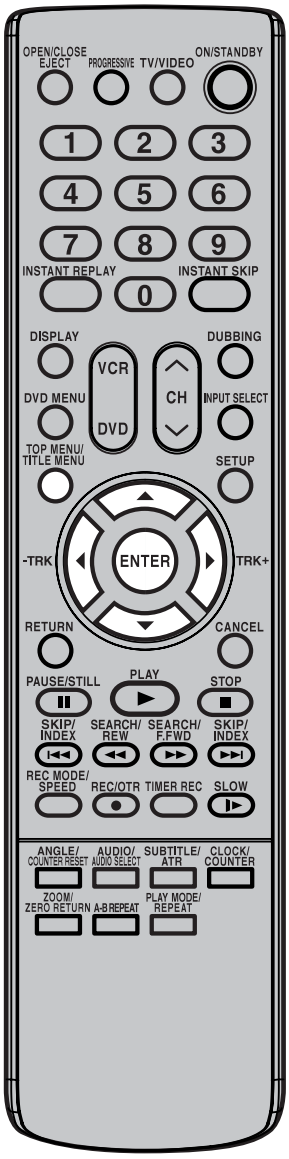


3 By pressing **ENTER**, the following message screen will appear.

4 Press ◀ or ▶ to select “YES” and press **ENTER**, then the EDIT TITLE screen will appear.
- By selecting “NO”, the title menu appears.

5 The method for erasing a scene is the same as for the playlist. See the steps **4** to **9** of “Erasing scenes (Edit title)” in “Editing a playlist” (page 65).

Editing an original title



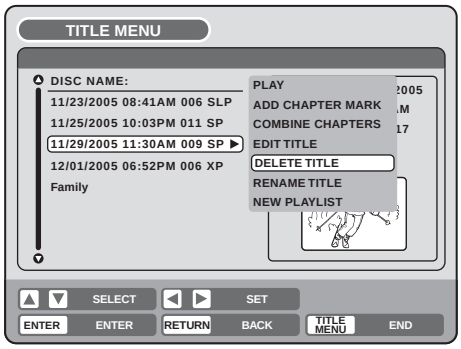
NOTE:
If the original title is erased the created playlist is also erased.

Erasing an original title

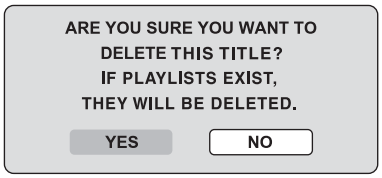
You can erase an original title. Erasing the title deletes both the title and the recording saved under that title name. Erase the original title after checking its title. The erased title cannot be restored.
When you erase the title, you can increase the disc space.

1 Press **TITLE MENU** to display the title menu.

2 Select the original title you want to erase.
- Press ▲ or ▼ to select the original title.
- Press ▶ to display the editing menu of original title.
- Press ▲ or ▼ to select “DELETE TITLE”.



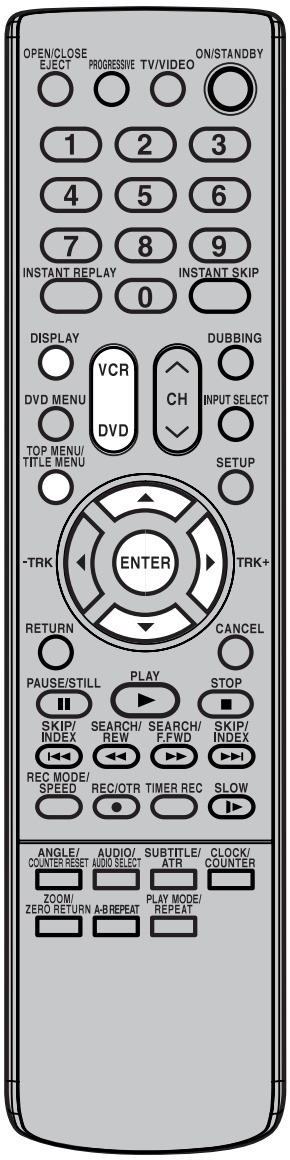
3 By pressing **ENTER**, the following message screen will appear.



4 Press ◀ or ▶ to select “YES” and press **ENTER**, then the original title will be erased.
- Erasing the title will be cancelled by selecting “NO”.

Changing a disc name

You can change a disc name from the title menu.



NOTES:

- The disc name can be a maximum of 30 characters. Long names will be shortened in the title menu.
- For using the keyboard screen, see “Using the keyboard screen” (page 75).
- A DVD-R disc cannot be named after it is finalized.

Preparation:

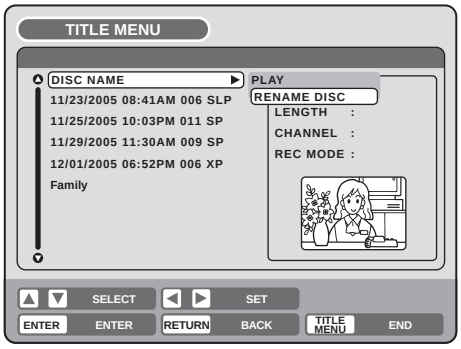
- Turn ON the TV and set to the video input mode.
- Load the recorded DVD disc.
- Press **DVD** to select the DVD mode. (The DVD indicator will light.)

Changing a disc name

RAM VR VIDEO R

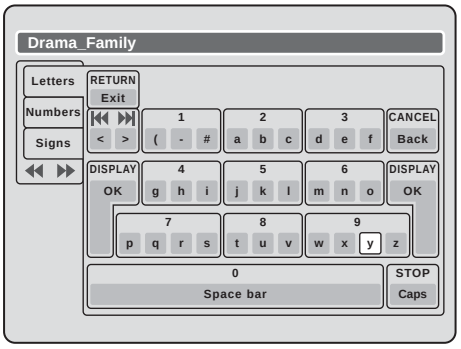
1 Press **TITLE MENU** to display the title menu.

2
- Press ▲ or ▼ to select “DISC NAME”.
- Press ▶ to display the editing menu.
- Press ▲ or ▼ to select “RENAME DISC”.

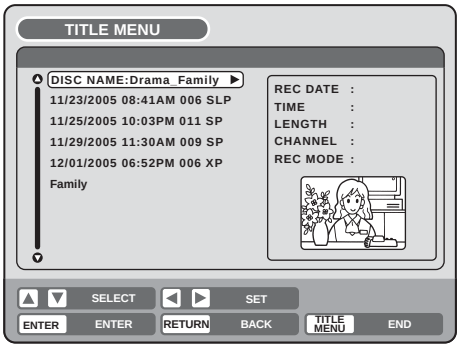


3 Press **ENTER**.
The keyboard screen will appear.

4 Use the keyboard screen to enter the disc name.



5 Press **DISPLAY** to return the title menu.



Changing a disc name

Using the keyboard screen

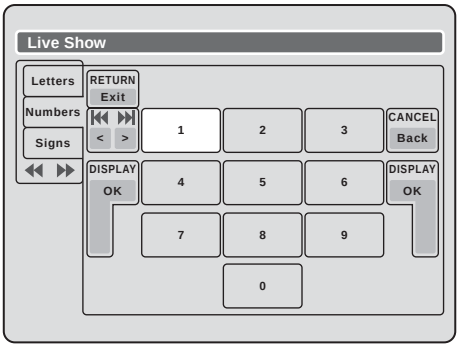
This section explains the function of the keyboard screen and how to input characters. The disc name and the title name can be changed using the keyboard screen.

Keyboard screen types

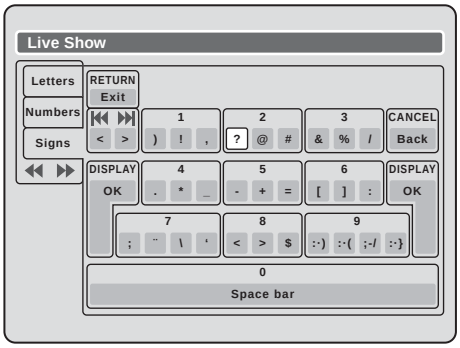
The keyboard screen has three types of “Letters”, “Numbers” and “Signs”. The type can be switched over by pressing **REW** or **F.FWD**.

Letters: This is mainly used for inputting alphabetical letters.
For the keyboard screen of Letters, see the previous page.

Numbers: This is used for inputting numbers.



Signs: This is used for inputting symbols.



Inputting characters

There are two methods for inputting characters.

Character input 1

1 Press ▲, ▼, ◀ or ▶ to select the character to be input.

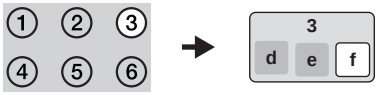
2 Press **ENTER**.
The selected character will be input.

Character input 2

Example: Explained here is the procedure when you input “F” and “J”.

1 Press the **numeric keys** continuously and select the character to be input.

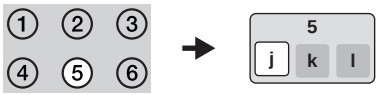
To input F, press 3 twice.



NOTE:
When the interval between the pressing **numeric keys** is 2 seconds or more in selecting the input character, the selected character will automatically be input.

2 Stop the key operation when you select the character to be input.
The selected character will automatically be input.

3 Press the **numeric keys** where the following character is assigned.



4 When the character to be input is selected, stop the key operation.
The selected character is automatically input.

Changing a disc name

Erasing a character

You can erase the input character.

Erasing method 1

1 Press ▲, ▼, ◀ or ▶ to select “Back”.

2 Press **ENTER**.
The last input character will be erased.

3 To erase the characters continuously, press **ENTER**.
The input characters will be erased from the last to the top one by one.

Erasing method 2

1 Press **CANCEL**.
The last input character is erased.

2 To erase the characters continuously, press **CANCEL**.
The input characters will be erased from the last to the top one by one.

Erasing method 3

Use the cursor to select the character and erase it.

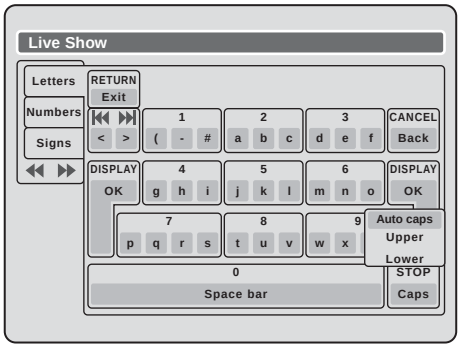
1 Press **SKIP –** or **SKIP +** to move the cursor after the character you want to erase.

2 Press **CANCEL**.
Erase the character before the cursor position.

Selecting between uppercase and lowercase letters

You can select either uppercase or lowercase letters when modifying your titles, using the keyboard screen with the “Letters” tab.

1 Press **STOP**.
(Or, press ▲, ▼, ◀ or ▶ to select “Caps”, then press **ENTER**.)



2 Press ▲ or ▼ to select the type of letters in the list below and press **ENTER**.

Auto caps: Determines uppercase and lowercase automatically.
Upper: Inputs all with uppercase letters.
Lower: Inputs all with lowercase letters.

Determining a name

To determine the entered disc name and title name, press **DISPLAY**. Or, press ▲, ▼, ◀ or ▶ to select “OK”, then press **ENTER**.

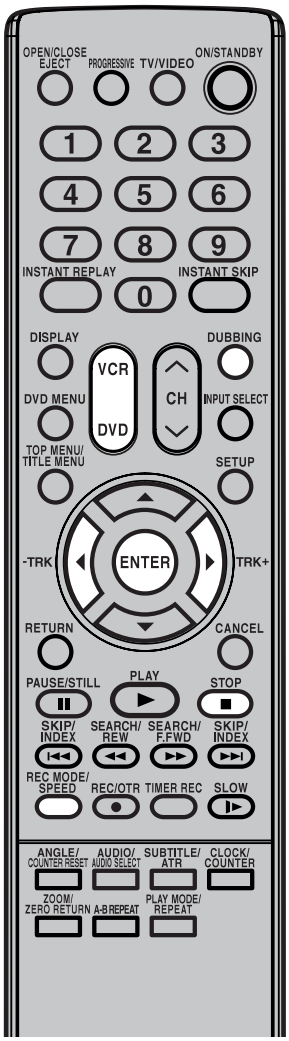
The keyboard screen disappears and the display will return to the title menu.
The entered disc name and title name are displayed in the title menu.

Cancelling character input

When you want to cancel the input and changed characters, press **RETURN**. Or, press ▲, ▼, ◀ or ▶ to select “Exit”, then press **ENTER**.
The input and changed characters are cancelled and the title menu will appear.

Dubbing a tape onto a disc

You can record video or audio on a video tape onto a disc.



NOTES:

- Dubbing cannot be accomplished when
  - a copy protected tape is used.
  - disc protection is set.
  - disc has no recording space.
- Dubbing stops when
  - the video tape is played back to the end and stops.
  - recording space becomes full.
- The videos recorded from TV programs or movies can be used only for your personal enjoyment without permission of the copyright holder.

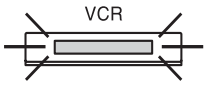
Preparation:

- Turn ON the TV and set to the video input mode.
- Load a source video tape and a disc for recording.
- Remove the erase protection tab of the source video tape to prevent the data from accidentally being erased.
- Confirm the disc space before operation.

1 Press **DVD** to set this unit to DVD mode.
The DVD indicator will light.

2 Press **REC MODE/SPEED** and select the recording mode.
- When **REC MODE/SPEED** is pressed each time, “SP”, “LP”, “SLP” or “XP” is selected in this order.
- The recording mode is indicated on both the TV screen and the display window.
- For the details of the recording mode, see page 52.

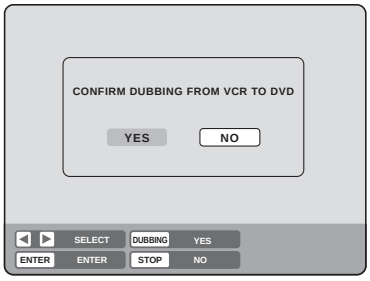
3 Press **VCR** and set the unit to VCR mode.



NOTE:
Confirm that the VCR indicator lights.

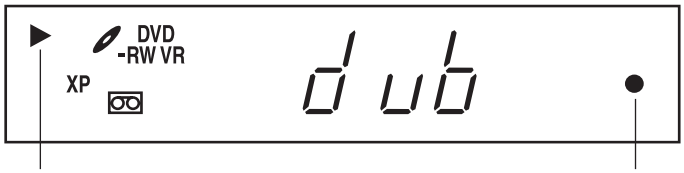
4 Press **DUBBING**.
- The unit is changed to DVD mode automatically.
- The VCR is waiting for playback and the DVD is waiting for recording. Then the following message will appear.

5 Press **DUBBING**, or press ◀ or ▶ to select “YES” and press **ENTER**.
Dubbing starts.
- To cancel dubbing, press **STOP**, or select “NO” and press **ENTER**.



In dubbing, VCR playback, DVD recording and “dub” (dubbing) indicator appear on the display window.

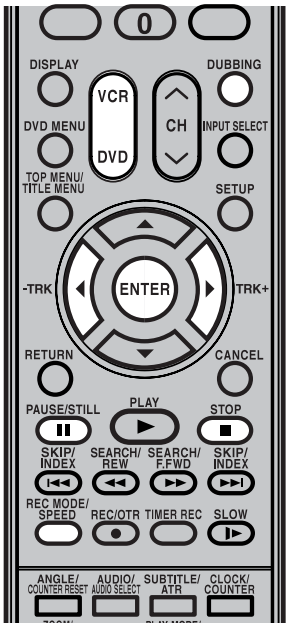
6 To stop dubbing, press **STOP**.



Video playback DVD recording

Dubbing a disc onto a tape

You can record both video and audio from a disc to a video tape. When a disc with a copy guard is used, a distorted image is recorded onto the video tape.



NOTES:

- Dubbing cannot be accomplished when
  - a copy protected disc is used.
  - the erase prevention tab of video tape is removed.
- Dubbing stops when
  - the disc is played back to the end and stops.
  - no recording space on the Video tape remains
- During dubbing, the unit is changed to interlaced scan mode automatically, if it has been previously set to progressive scan mode.
- If no special permission is obtained from the copyright owner, videos recorded from TV programs or movies can only be used for your own personal enjoyment.

Preparation:

- Turn ON the TV and set to the video input mode.
- Load a source disc and a video tape for recording.
- Confirm the remaining tape for recording before operation.

1 Press **VCR** to set this unit to VCR mode.
The VCR indicator will light.

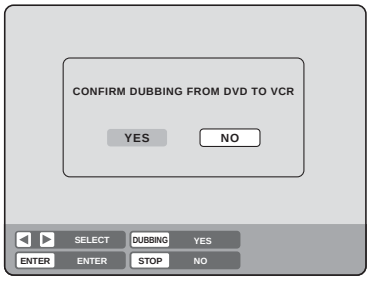
2 Press **REC MODE/SPEED** and select the recording mode.
- When **REC MODE/SPEED** is pressed each time, “SP” or “SLP” is selected.
- The recording mode is indicated on both the TV screen and the display window.
- For the details of the recording mode, see page 48.

3 Press **DVD** and set the unit to DVD mode.

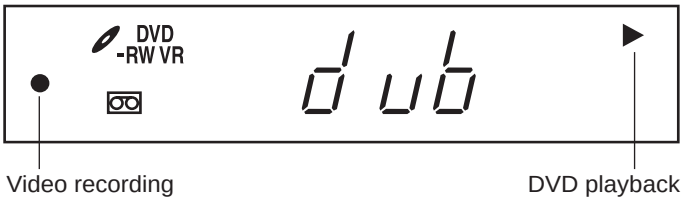
NOTE:
Confirm that the DVD indicator lights.

4 Press **DUBBING**.
- The DVD is waiting for playback and the VCR is waiting for recording. Then the following message appears.

5 Press **DUBBING**, or press ◀ or ▶ to select “YES” and press **ENTER**.
Dubbing starts.
- To cancel dubbing, press **STOP**, or select “NO” and press **ENTER**.



In dubbing, DVD playback, VCR recording and “dub” (dubbing) indicator appear on the display window.



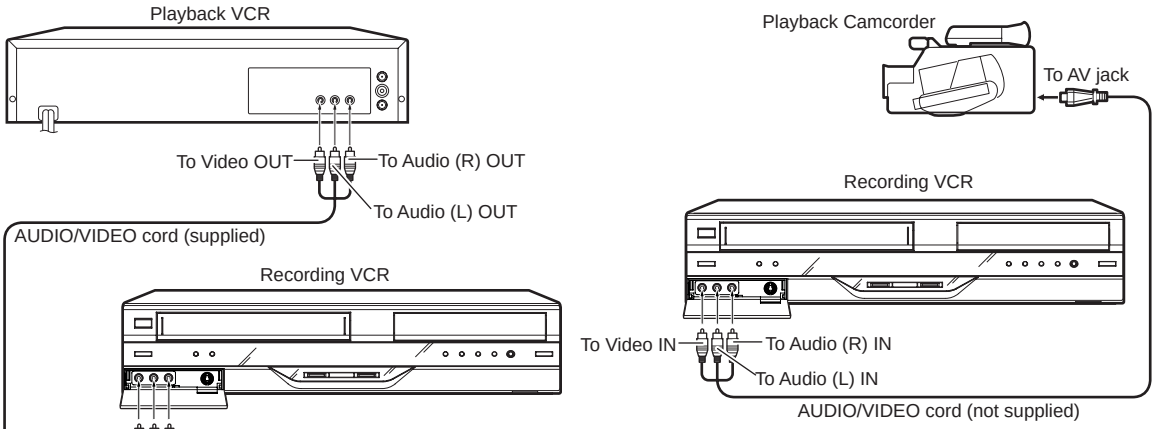
6 To stop dubbing, press **STOP**.

Dubbing only the specified titles or the playlist

When you want to dub only specific titles or playlists recorded on the disc, start the playback of the desired title or playlist, and then immediately press **DUBBING**, **STOP** or **PAUSE/STILL**. If you press **DUBBING**, proceed from step **5** above. If you press **STOP** or **PAUSE/STILL**, proceed from step **4** above. The first few seconds of the title or playlist may not be recorded. When playback of the title or playlist is completed, the dubbing stops.

Dubbing using other equipment

You can connect another VCR or camcorder to dubbing.
Typical connection: When using this unit as a recording device



You can also connect to the audio/video input jack (L1) at the rear side of this unit. In addition, each S-Video input jack at the front and rear sides can be used for recording on the disc. (The S-Video input jack cannot be used for recording on the video tape.)

When a video is recorded using this unit

Preparation:
- Turn ON the TV and set the unit to the video input mode.
- Load a video tape where the erase-protection tab is not activated or a disc with enough recording space.
- To record onto a video tape, set the unit to VCR mode, whereas to record onto a disc, set it to DVD mode.

1 Press **INPUT SELECT** and set the channel to L2 (or L1).
L1 (LINE 1): on the rear panel
L2 (LINE 2): on the front panel
Confirm that L2 (or L1) appears on the display window.

L2

2 Press **REC MODE/SPEED** and select the recording mode.
VCR: SP or SLP (See page 48)
DVD: SP, LP, SLP or XP (See page 52)

3 Press **REC/OTR** on this unit, then press **PAUSE/STILL**.

4 Press the **PLAY** button on the playback device, then press the **PAUSE/STILL** button.

5 Release the recording pause and the playback still simultaneously to begin the duplicating process.

6 To stop dubbing, press **STOP**.

NOTES:
- When this unit is used as a playback device, a mark or a character displayed on the screen is also dubbed as an image. When the screen display is set to OFF, see "DISPLAY" on page 28.
- If no special permission is obtained from the copyright owner, videos recorded from TV programs or movies can only be used for your own personal enjoyment.
- You may not dub a copy protected video or DVD disc.

Glossary

A-B Repeat Playback
Playback that repeats between two set points, A and B.

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

auto chapter
Feature that automatically makes chapter marks on a DVD disc during recording.

auto clock
Feature that automatically sets the internal clock.

blue background
Feature that automatically changes unpleasant noise images to a blue screen when a channel without a broadcast or a channel on which the broadcast has ended has been selected.

BROWSER screen
Screen that appears when TITLE MENU is pressed during MP3, WMA or JPEG CD is inserted.

CABLE
Cable television.

chapter
A section within a title is called a “chapter”.

Chase playback
Feature that playback from the beginning of a program currently being recorded.

copy guard
Copyright protection signal. Software and broadcasts that contain this signal cannot be recorded.

Dolby Digital
Dolby® Digital Recording enables consumers to record high-quality video with stereo sound on recordable DVD discs. The technology, when utilized instead of PCM recording, also saves recordable disc space, allowing for higher video resolution or extended reording time on each DVD. DVDs created using Dolby Digital Recording will play back on all DVD-Video players.
Manufactured under licence from Dolby Laboratories. "Dolby" and the double-D symbol are trademarks of Dolby Laboratories.

DTS
This is a digital sound system developed by Digital Theater Systems for use in cinemas. This system uses 6 audio channels and provides accurate sound field positioning and realistic acoustics. (By connecting a DTS Digital Surround decoder, you can also listen to DTS Digital Surround sound.)

DVD menu
Menu recorded on a DVD-Video that enables the user to select subtitles language, dubbing, etc.

finalize
Operation that enables discs recorded or edited with this unit to be played back on other DVD players.

Instant replay
If INSTANT REPLAY is pressed during playback, playback returns to a point 10 sec earlier and resumes.

Instant Skip
When pressed during playback, playback jumps 30 sec ahead and resumes.

interlaced scanning
Technology that alternately displays odd-numbered scanning lines and even-numbered scanning lines. Also called “480i”, “i” meaning “interlace”.

letter box
Feature that displays black bands above and below the playback images during playback of a disc recorded in wide (16:9) format on a 4:3 TV connected to this unit.

MP3
One type of audio compression that uses MPEG1. This format compresses the sound to use up about 1/10 of the original file space, without inpairing the original sound quality.

original title
The file created by recording something is called an “original title”.

OTR
One-touch Timer Recording. Start a timed recording by pushing just one button (up to 6 hours).

pan scan
Feature that cuts the left and right edges of playback images to a 4:3 size during playback of a disc recorded in wide (16:9) format on a 4:3 TV connected to this unit.

parental control
Some discs control viewing according to the age of the viewer. A control level can be set for those types of discs.

2G10101A P80-85 80 2/10/05, 9:24 AM

Glossary

parental control settings

Level 1: Adult discs and general discs (R-rated discs included) cannot be played back.

Level 2 to 3: Adult discs and R-rated discs cannot be played back.

Level 4 to 7: Adult discs cannot be played back. (Level 4 to 7 discs contain content children age 15 and younger may not see.)

Level 8: All discs can be played back without restriction.

PBS

Acronym for Public Broadcast System. The PBS channel transmits data for auto clock setting.

playlist

User-created titles based on each original title.

Progressive scan

Technology that simultaneously displays odd-numbered scanning lines and even-numbered scanning lines from top to bottom. Also called “480p”, “p” meaning “progressive”.

region number

There is software that enables DVD playback in differing countries. The number of that kind of disc is called the “region number”.

SETUP MENU

Menu that contains settings for various features of this unit, such as recording and playback. Timer recording is also set from the SETUP MENU.

slide show

Technique for flipping through and viewing many images (JPEG files).

subtitle language

Language used for subtitles of movies, etc. Viewers can watch in a language of their choosing.

title

A program recorded on a disc is called a “title”.

title menu

Menu that lists titles and tracks recorded on the disc. It is used for playback and disc editing.

top menu

Menu on a DVD-Video for selecting chapters for playback, subtitle language, etc. Some DVD-Video call this top menu “Title”.

track

A song on an Audio CD is called a “track”.

TRACK INFO screen

The screen that appears when TITLE MENU is pressed, if an Audio CD disc is in the unit.

Video mode

This recording format is compatible with commercially available DVD players.

virtual surround

Technology that converts audio that is not recorded in surround sound into audio that assimilates surround sound.

VR mode

This recording format is the basic DVD-RW recording format, and lets you enjoy the various editing functions available with this unit.

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Language code list

Enter the appropriate code number for the initial settings “DVD MENU”, “AUDIO” and/or “SUBTITLE” (see page 24).

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

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Problems and troubleshooting

Use the following check list for troubleshooting when you have problems with your unit. Consult your local dealer or service outlet if problems persist.
Be sure all connections are properly made when using with other units.

SYMPTOMS	POSSIBLE SOLUTIONS	PAGE
DVD/VCR		
DVD/VCR does not operate.	• Make sure the power cord is plugged in. • Try another AC outlet. • Power is off, check fuse or circuit breaker. • Unplug unit, then plug it back in. • Select the DVD or VCR mode before operating.	15 – – 15 22
No picture.	• Antenna connection is not correct or antenna cable is disconnected. • The video channel is not in the correct position or the TV is not set to the video channel 3 or 4. • Check the unit is connected correctly. • The video input selector of the TV is not set to VIDEO. Set to VIDEO (or equivalent). • Channel is set to the external mode.	16~19 22 16~21 – –
No sound.	• Check the unit is connected correctly. • Check the input selector of the amplifier is set properly. • The unit is in the Special playback mode.	16~21 – 36, 50
The remote control does not function.	• Aim at the remote control at the remote sensor. • Operate within Approx. 5 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	• Check all Cable TV connections. • Station or Cable TV system problems, try another station.	18, 19
DVD		
Display is not shown in your language.	• Select proper language in the SETUP MENU.	24
Playback doesn't start.	• No disc is inserted. • The disc may be dirty. Clean up the disc. • The unit cannot play DVD-ROMs, etc.	33 9 9
Stopping playback, search, slow-motion play, repeat play, or program play, etc. cannot be performed.	• Some discs may not do some of the functions.	–
Recording Does not work.	• Check the disc space, using the disc information. • Check the disc for protection. • Check if the video to be recorded is not "copy-guarded". • Check that the number of recorded titles is 99 or less, using the disc information. • Check the number of the total chapters for the recorded titles is 999, using the disc information. • In a DVD-RW of Ver.1.0, recording in Video mode does not work. Check the disc type.	35 28 53 35, 52 35, 52 10
A Disc recorded using this recorder cannot be played back in other players.	• Check that the disc is finalized. • Some DVD players will not play even if the disc has been finalized. • If the disc was recorded in VR mode, the other player must be RW compatible in order to play the disc.	27 11, 28 11, 28

Problems and troubleshooting / Video head cleaning

SYMPTOMS	POSSIBLE SOLUTIONS	PAGE
VCR		
TV recording does not work.	• The erase prevention tab of the video cassette is broken off. • The unit is in the external input mode.	48, 54
Timer recording does not work.	• The time is not set correctly. • The recording start/end time is not set correctly. • TIMER REC has not been pressed (◷ is not lit).	26 58 59
Noise bars on screen.	• Tracking adjustment beyond range of automatic tracking circuit. Try Manual tracking adjustment. • Video heads are dirty. • The tape is worn or damaged.	50 84 –
OTHER		
No picture, or screen is blurred or divided into two parts.	• The progressive scan mode is active through the unit is connected to a TV via the VIDEO OUT jack.	47
No 4:3 (16:9) picture	• The setup does not match your TV.	29
No on-screen display	• Select Display “ON”.	28
Nothing appears in the display window	• Check the DIMMER setting for SETUP.	28
No surround sound	• The setup does not match your stereo system.	21
The unit or remote operation key is not functioning.	• Turn off the unit and unplug the AC power cord for several minutes, then replug it.	–
Playback does not start when the title is selected.	• Check the Parental setup.	25
Audio soundtrack and/or subtitle language is not changed when you playback a DVD.	• Multilingual language is not recorded on the DVD disc.	24
No subtitles	• Some discs have no subtitles. • Subtitles are cleared. Press SUBTITLE.	41, 24
Angle cannot be changed.	• Multi-angles are not recorded on the DVD disc.	–
“✋” appears on the screen.	• The function is prohibited with the unit or the disc.	–

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 played back. 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 by qualified service personnel.

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.

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Error/Warning message list

	ERROR/WARNING MESSAGE	CAUSE	POSSIBLE SOLUTIONS	PAGE
Power ON	SYSTEM ERROR PLEASE WAIT	The power was shut down without completing the termination process due to a power failure or disconnection of the AC cord plug. (Abnormal termination)	Wait until the message disappears.	--
	SYSTEM ERROR PLEASE WAIT DISC CHECKING	The power was abruptly turned off before writing to the disc was completed.	The data is now restoring.	--
	SYSTEM ERROR DISC MIGHT BE FAILED PRESS ENTER/SELECT	The data restoration was completed.	Press **ENTER**, then the screen returns to the normal display. The data may not be restored even if the restoration process is performed.	52
Playback	NO DISC	When a disc was not loaded in the unit, **PLAY** was pressed.	Load a disc.	33
	REGION CODE ERROR	A disc specified other than "Region 1" or "Region ALL" was loaded.	A disc specified other than "Region 1" or "Region ALL" cannot be played back.	9
	INCORRECT DISC - C104, C105, C106, C107	The disc cannot be identified.	Check the disc and load a proper disc.	9
Recording	NO DISC	When a disc was not loaded into the unit, **REC/OTR** was pressed.	Load a disc.	54
	PROCESSING PLEASE WAIT	The recording termination is processing.	Wait until the process is completed.	--
	RECORDING INTERRUPTED - C204	Disc became full during recording.	Erase unnecessary titles or load another disc and restart recording.	72
	CANNOT RECORD - C203	Recording was tried onto the disc having no space.	Check the disc space.	35
	CANNOT RECORD - C206	Recording was tried onto the disc which does not support recording.	Load a recordable disc.	10
	CANNOT RECORD, DISC PROTECTED	Disc erase-protection is applied.	RAM Disc: Turn the protect switch to OFF on the cartridge itself. Or turn OFF the protect from Disc Setup.	28
	CANNOT RECORD - C208	Recording was tried onto the finalized disc.	Undo finalization or load another disc for recording.	28
	CANNOT RECORD - C209	Adding data was tried onto the disc recorded in the other unit.	Load another disc for recording.	--
	CANNOT RECORD - C210	Adding data was tried to the disc where PC data was recorded.	Load another disc for recording.	--
	DISC ERROR - C205, C211, C212, C213	A scratch or contamination was found on the disc.	Check the disc and reload it, or use another disc for recording.	--
	CANNOT RECORD, EXCEEDS LIMITED NUMBER OF TITLES	99 titles were recorded on the disc.	Erase unnecessary titles or load another disc.	73
	CANNOT RECORD, EXCEEDS LIMITED NUMBER OF CHAPTERS	999 chapters exist on the disc.	Erase unnecessary chapters or load another disc.	70
	CANNOT RECORD PROTECTED IMAGE	Recording was attempted on a copy protected video.	You cannot record a copy protected video.	53
	RECORDING INTERUPTED PROTECTED IMAGE	The video was changed to a copy-guard format in recording.	You cannot record a copy protected video.	53
	CANNOT RECORD IN VIDEO MODE. COPY IMAGE ONCE ONLY.	Recording was attempted of a "Copy Once" program onto a disc (Video mode).	Load a DVD-RW Ver. 1.1 or later (VR mode) with CPRM.	53
	CANNOT RECORD ON DISC. THIS IS NOT CPRM DISC.	Recording was attempted of a "Copy Once" program onto a disc without CPRM.	Load a DVD-RW Ver. 1.1 or later (VR mode) with CPRM.	53
Dubbing	SWITCHING TO INTERLACE OUTPUT FOR COPYING	Dubbing was initiated from a disc to a video tape in the progressive scan mode.	The mode is automatically changed to interlaced mode if dubbing from a disc to a video tape.	78
	CANNOT COPY DATA - C251	No video tape or disc is inserted as a source for the recording.	Load a video tape or disc into the source drive.	77, 78
	CANNOT COPY DATA - C254, C255	The source video or disc to be copied is copy-guarded.	You cannot dub a video containing copy-guarded material.	53
	COPYING INTERRUPTED	The video tape or disc became full during dubbing.	Load another video tape or disc for recording and restart.	77, 78
Disc setup	DISC ERROR - C302, C303	Cannot Format disc due to a scratch or contamination on the disc.	Check the disc and reload it, or use another disc for recording.	--
	DISC ERROR - C304, C305	Cannot Finalize disc due to a scratch or contamination on the disc.	Check the disc and reload it, or use another disc for recording.	--
	DISC ERROR - C306	Cannot Undo Finalize disc due to a scratch or contamination on the disc.	Check the disc and reload it, or use another disc for recording.	--
	DISC ERROR - C307, C308	Cannot Protect disc ON/OFF due to a scratch or contamination on the disc.	Check the disc and reload it, or use another disc for recording.	--
Title Menu	CANNOT EDIT	Editing cannot be performed due to a scratch or contamination on the disc.	Check the disc and reload it, or use another disc for recording.	--
	CANNOT EDIT - C408	Combining chapters cannot be performed.	Chapter marks that have been added automatically in the erasing of a scene procedure cannot be erased.	70
	PROCESSING PLEASE WAIT	A process requiring a longer time such as editing is being performed.	Wait until the process is complete.	--

NOTE: Any error/warning message other than those above might appear. Take measures against such a message by seeing the possible solutions above.

Specifications

GENERAL

Power supply:	AC 120V 60Hz
Power consumption:	Operation: 27W Standby: 2.5W (if display window is off.)
Weight:	12.1 lbs (5.5 kg)
Dimensions:	Width : 16-15/16 inches (430 mm) Height : 3-1/2 inches (89.5 mm) Depth : 12-9/16 inches (318.5 mm)
Operating temperature:	41°F to 95°F (5°C to 35°C)
Operating humidity:	Less than 80% RH
Inputs/Outputs:	
Video:	In: 1Vp-p/75 ohm Out: 1Vp-p/75 ohm
Audio:	In: –8dBm/50k ohm Out: –8dBm/1k ohm
Antenna:	UHF/VHF IN/OUT: 75 ohm coaxial

VCR section

Video head:	4 Rotary Heads	
Audio track:	Hi-Fi Sound - 2 Tracks / MONO Sound - 1 Track	
Tuner:	181 Channel Freq. Synthesized	
	VHF 2-13	
	UHF 14-69	
	Cable TV 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)	
RF channel output:	Channel 3 or 4, Switchable	
F.FWD/REW Time:	Approx. 1minute and 48 seconds (with T-120 Cassette Tape)(at+25˚C)	
Hi-Fi frequency response:	20Hz to 20,000Hz	
Hi-Fi dynamic range:	More than 90dB	

DVD section

Signal system:	NTSC
Applicable disc:	DVD (12cm), CD (12cm)
Recording format:	DVD-Video Recording (VR mode) DVD-VIDEO (Video mode)
Recording discs:	DVD-RAM, DVD-RW, DVD-R
Recording time: (based on a 4.7GB disc)	XP: Approx. 60 min SP: Approx. 120 min LP: Approx. 240 min SLP: Approx. 360 min
Audio characteristics frequency response:	DVD: 4Hz - 22kHz CD: 4Hz - 20kHz
S/N Ratio:	90dB
Harmonic distortion:	Less than 1%
Wow and flutter:	Less than 0.01% Wrms
Dynamic range:	More than 90dB
Output:	Video :(RCA) 1 Vp-p/75 ohm Audio :(RCA) –12 dBm/1k ohm Digital Audio : 0.5Vp-p/75 ohm
Pickup:	CD : Wavelength: 780 nm Maximum output power: 8.5 mW DVD : Wavelength: 660 nm Maximum output power: 120 mW
ACCESSORIES:	Remote control (SE-R0180) x 1 75 ohm Coaxial Cable x 1 AUDIO/VIDEO Cable x 1 Battery R03/AAA x 2

- 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.

Limited warranty

Limited United States Warranty
DVD Players - 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 PLAYER AS A GIFT FROM THE ORIGINAL CONSUMER PURCHASER AND TO NO OTHER PURCHASER OR TRANSFEREE.**

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

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

Limited Ninety (90) Day Warranty
TACP warrants this DVD Player 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 PLAYER WITH A NEW OR REFURBISHED DVD PLAYER WITHOUT CHARGE TO YOU. YOU MUST CONTACT TACP’S CONSUMER SOLUTIONS CENTER FOR INSTRUCTIONS ON HOW TO PROCESS YOUR IN WARRANTY EXCHANGE REQUEST. THE CONSUMER IS RESPONSIBLE FOR ALL INBOUND TRANSPORTATION AND INSURANCE CHARGES FOR THE DVD PLAYER 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 PLAYER WITH A NEW OR REFURBISHED DVD PLAYER 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 PLAYER 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 Players 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 Player. 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 Player 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 Player or parts that have been lost or discarded by you or to damage to the DVD Player 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.

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Limited warranty (continued)

How to Obtain Warranty Services
If, after following all of the operating instructions in this manual and checking the section “Troubleshooting,” you fund that service is needed:

(1) For instructions on how to obtain warranty service for exchange program DVD Players, 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 Player when sending the DVD Player to the Authorized TACP Service Station specified by TACP’s Call Center. You must pay for all transportation and insurance charges for the DVD Player to and from the Authorized TACP Service Station.

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

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