

TOSHIBA
Leading Innovation >>>

HD DVD player



HD-A30KU HD-A30KC



Owner's manual

In the spaces provided below, record the Model and Serial No. located on the rear panel of your player.

Model No. _____ Serial No. _____

Retain this information for future reference.

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Important notes about HD DVD

HD DVD with high-definition content required for HD viewing. Viewing high-definition content and up-converting DVD content may require an HDCP capable DVI or HDMI input on your display device. Up-conversion of DVD content will result in near HD picture quality. Firmware update may be required for some interactive features depending on content, which may also require an always-on broadband internet connection. Some features may require additional bandwidth. Some recordable media may not be supported. Dolby Digital Plus, Dolby TrueHD and DTS support for up to 5.1 channels (DTS HD support for DTS core only). MP3/WMA audio files not supported. HDMI audio support for PCM only. Because HD DVD is a new format that makes use of new technologies, certain disc, digital connection and other compatibility and/or performance issues are possible. This may, in rare cases, include disc freezing while accessing certain disc features or functions, or certain parts of the disc not playing back or operating as fully intended. If you experience such issues, please refer to the FAQ sections of www.toshibahddvd.com or www.tacp.toshiba.com for information on possible work-around solutions or the availability of firmware updates that may resolve your problem, or contact Toshiba Customer Solutions. Some features subject to delayed availability. 1080p capable display required for 1080p output resolution. In some cases, the included remote control may not operate additional devices or certain features of such devices, in which case, it is suggested that you use the original remote control for the applicable device. Use of CE-Link which is a feature based on HDMI-CEC requires an HDMI-CEC compatible display device. For 24p output, content that was created in 1080p / 24 frames/sec is required. Viewing 24p output requires an HD display capable of accepting a 1080p/24Hz signal. While every effort has been made at the time of publication to ensure the accuracy of the information provided herein, product specifications, configurations, system/component/options availability are all subject to change without notice.

Note

- The firmware in this player can be updated. See ⇒ page 35 for details.

Notes on web-enabled network content

Certain HD DVD discs may contain or have the capability of downloading studio-provided, web-enabled network content. To minimize any potential compatibility and/or connectivity issues, before viewing such content, it is recommended that you perform the firmware update process to ensure that your HD DVD player is using the latest firmware version. Do not unplug or turn off the player when downloading studio-provided, web-enabled network content. Doing so may cause data stored in the player's persistent storage to be lost.

HD output jacks

- An HDMI jack for connecting a single cable to output video and audio signals
- Component jacks

Certain system requirements

For high definition video playback:

- HD display (some discs may require HDCP capable input)
- HD DVD disc with HD content

For Dolby® Digital Plus and Dolby TrueHD multi-channel audio playback:

- A/V Receiver with HDMI™ multi-channel LPCM capable audio input and 5.1 channel speaker setup.

Customer support

To reach Toshiba Customer Solutions in the U.S., please call 1 (800) 319-6684, or visit www.toshibahddvd.com or www.tacp.com/customersupport.

To reach Toshiba Customer Support in Canada, please call 1 (800) 268-3404 or visit www.toshiba.ca and click on support.

Before accessing, try updating this player's firmware. For details on how to update, see "Update (Firmware update)" (⇒ page 35).

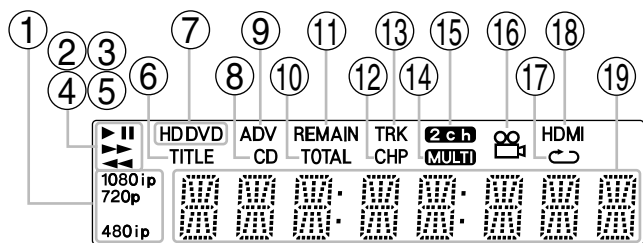
This HD DVD player is manufactured under the HD DVD Format adopted by the DVD Forum. The DVD Forum approved AACS (Advance Access Content System) as content protection system for HD DVD format like it approved CSS (Content Scramble System) for DVD format. Therefore, certain restrictions are imposed on play, analog signal output, etc. of AACS protected contents. When you use pre-recorded contents, the contents may designate whether or not to apply such restrictions. As those restrictions may be adopted and/or changed and announced by AACS after the production of this product, the operation of this product and restrictions thereon may vary depending on the time you purchase this product as well as during the life of this product.

To obtain updated information about AACS and this product, please contact the following:

* In the U.S., please call 1 (800) 319-6684, or visit www.toshibahddvd.com or www.tacp.com/customersupport.

* In Canada, please call 1 (800) 268-3404 or visit www.toshiba.ca and click on support.

Display



No.	Function
①	Displays the video output format currently selected. (i: interlaced, p: progressive)
②	▶ : Playing
③	⏸ : Pausing
④	▶▶ : Fast forward playback
⑤	◀◀ : Fast reverse playback
⑥	Shows a title number.
⑦	HD DVD: An HD DVD is loaded. DVD: A DVD is loaded.
⑧	A CD is loaded.
⑨	A disc which contains advanced content is loaded.
⑩	Total playing time is displayed.
⑪	Remaining playing time is displayed.
⑫	Shows a chapter number.
⑬	Shows a track number.
⑭	Multi channel sound is output.
⑮	2ch sound is output.
⑯	Playing a scene recorded with multi angles.
⑰	Playing in repeat mode.
⑱	HDMI connection is verified between the player and another device.
⑲	Displays the total playing time of the disc, elapsed time, remaining time, a number of title, chapter or track, messages, etc.

Pressing DIMMER button on the remote control changes the brightness of the display. (Normal / dimmed / off)

- Turning off the power resets this setting.

Preparation (continued)

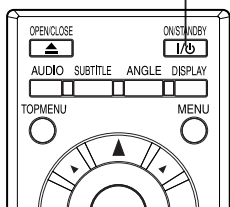
Step 5: Powering on

- 1 Turn on the TV or monitor, and select the input which the player is connected to.
- 2 Press ON/STANDBY.

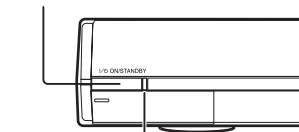
When the power turns on, ON/STANDBY indicator on the front panel changes color from red (standby mode) to blue (operation).
Start up (and disc loading (⇒ page 24)) may take time.

When you power on this player for the first time, the setting menu will appear. Go to Step 6 to make the necessary setup.

ON/STANDBY button



ON/STANDBY button

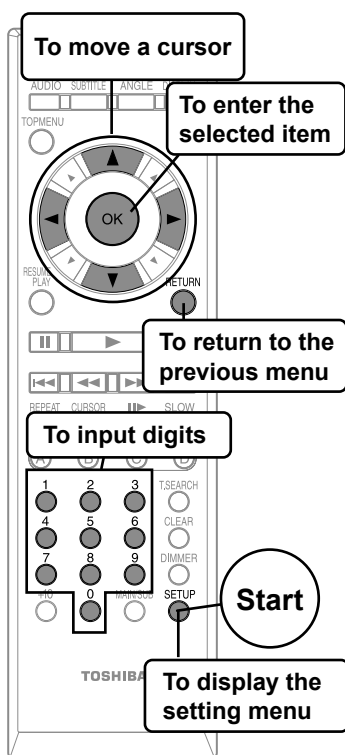


ON/STANDBY indicator

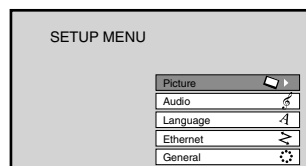
- To power off the player
Press ON/STANDBY.

Step 6: Setting up the player

Make the settings which are necessary to operate the player.

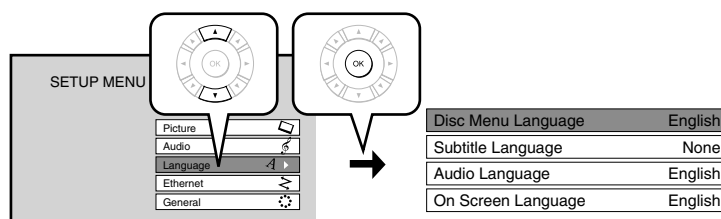


- 1 Make sure that the following menu is displayed.
(If not, press SETUP to display it.)

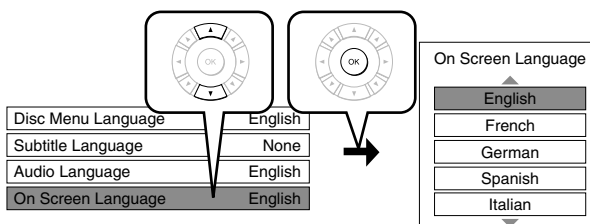


A: Language

- 2 Press ▲ / ▼ to select "Language", then press OK.



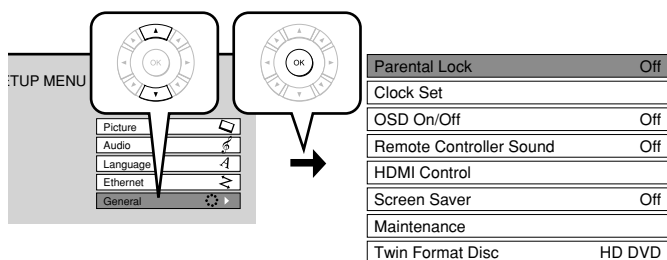
- 3 Press ▲ / ▼ to select "On Screen Language", then press OK.



- 4 Press ▲ / ▼ to select the language you want use for on-screen displays, then press OK.
- 5 Press RETURN or ◀ to return to the menu of step 1.

B: Time

6 Press ▲ / ▼ to select “General”, then press OK.



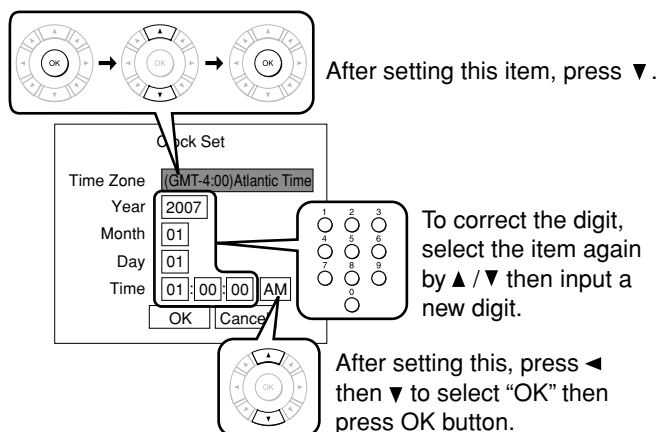
10 Press RETURN or ◀ to return to the menu of step 1.

7 Press ▲ / ▼ to select “Clock Set”, then press OK.

8 Confirm the time is correct.

9 If the time is correct, select “OK” by ▲ / ▼, then press OK to return to the menu of step 6.

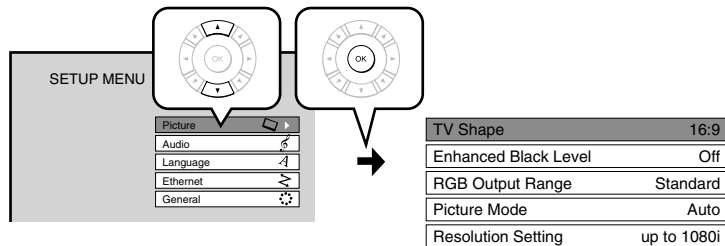
When the time needs to be corrected, set each item using the following buttons.



Preparation (continued)

C: Resolution

11 Press ▲/▼ to select “Picture”, then press OK.



12 Press ▲/▼ to select “Resolution Setting”, then press OK.

13 Press ▲/▼ to select the resolution according to the performance of your TV as shown in the table below, then press OK.

TV input	“Resolution Setting”						
<p>HDMI input</p>	Select the resolution. e.g. <table border="1"> <tr><td>480i</td></tr> <tr><td>up to 480p</td></tr> <tr><td>up to 720p</td></tr> <tr><td>up to 1080i</td></tr> <tr><td>up to 1080p</td></tr> <tr><td>up to 1080p/24Hz</td></tr> </table>	480i	up to 480p	up to 720p	up to 1080i	up to 1080p	up to 1080p/24Hz
480i							
up to 480p							
up to 720p							
up to 1080i							
up to 1080p							
up to 1080p/24Hz							
<p>Component video input</p>	Select the resolution (except “up to 1080p” and “up to 1080p/24Hz”) according to the performance of the connected TV. e.g. <table border="1"> <tr><td>480i</td></tr> <tr><td>up to 480p</td></tr> <tr><td>up to 720p</td></tr> <tr><td>up to 1080i</td></tr> <tr><td>up to 1080p</td></tr> <tr><td>up to 1080p/24Hz</td></tr> </table>	480i	up to 480p	up to 720p	up to 1080i	up to 1080p	up to 1080p/24Hz
480i							
up to 480p							
up to 720p							
up to 1080i							
up to 1080p							
up to 1080p/24Hz							
<p>VIDEO (yellow) input</p>	Select any resolution except “up to 1080p/24Hz”.						

You may find that setting the output resolution of the player to match as closely as possible the native resolution of your display provides the best picture performance (e.g., 720p for 720p and 1080p for 1080p).

Note

- In case the menu of “Resolution Setting” disappears, make composite video (yellow) connection to restore it, then select the resolution which is compatible with the connected TV.

For best viewing of film movie material (24p output) **HD DVD DVD-Video**

Movies that are produced on film, as opposed to video, are traditionally captured at a frame rate of 24 frames per second. Your player can maintain the 24 frames per second frame rate of such movies, allowing you to enjoy them in their native form. To enable this feature, connect an HD display capable of accepting a 1080p/24Hz signal and select “up to 1080p/24Hz.”

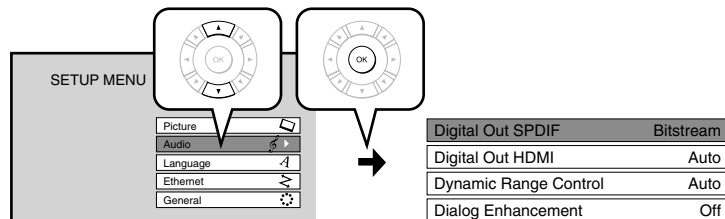
Note

- Most film based HD DVDs display images at 24 frames per second and video based HD DVDs display images at 30 frames or 60 fields per second. Depending on the content, “up to 1080p/24Hz” may lower smoothness of playback and/or reduce vertical resolution. In the case of video based HD DVDs, we recommend that “up to 1080p/24Hz” setting is not used.

14 Press RETURN or ◀ to return to the menu of step 1.

D: Audio output

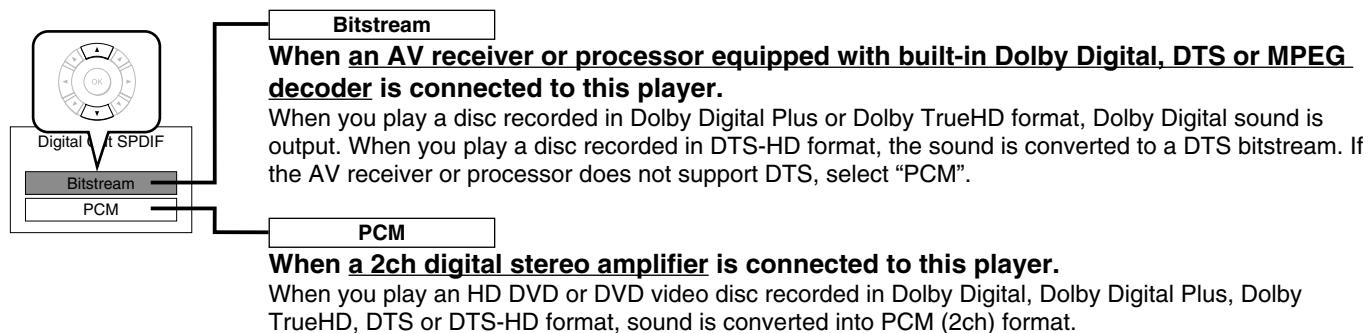
15 Press ▲/▼ to select “Audio”, then press OK.



16 When you connected an audio system to the **DIGITAL AUDIO OUTPUT BITSTREAM/PCM** jack (⇒ page 16):

Press ▲/▼ to select “Digital Out SPDIF”, then press OK.

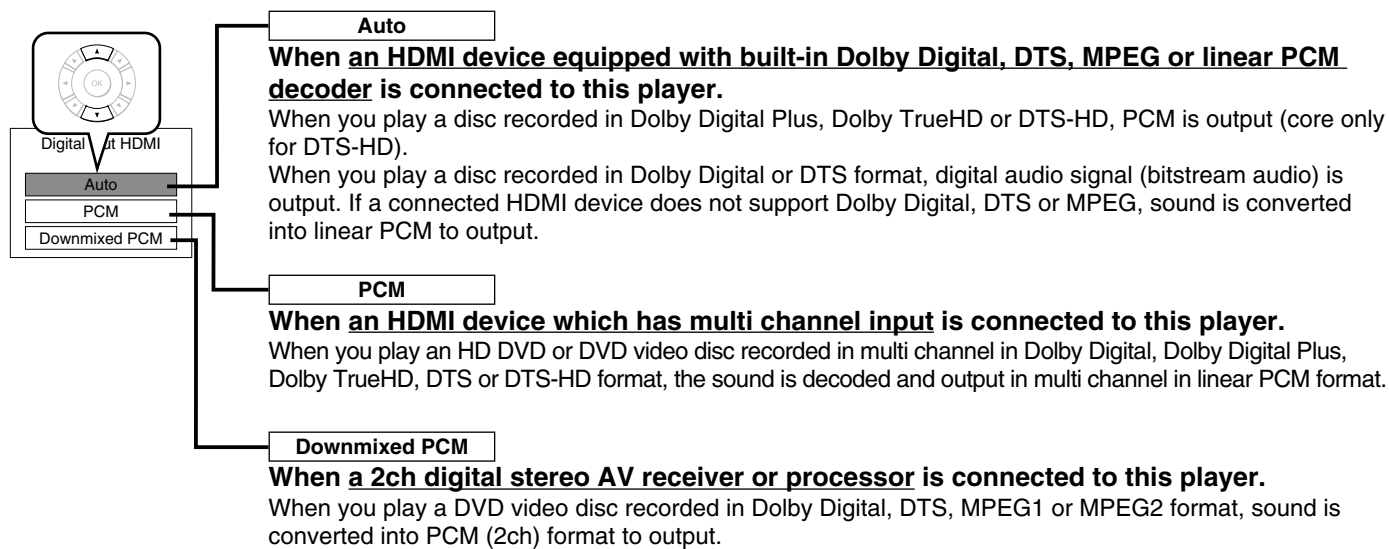
Select one of the followings according to your connection, and press OK.



When you connected an HDMI device to the **HDMI OUTPUT** jack (⇒ page 15, 16):

Press ▲/▼ to select “Digital Out HDMI”, then press OK.

Select one of the followings according to your connection, and press OK.



Note

- Setting “Auto” or “PCM” will reduce output level of multi channel sound from the ANALOG AUDIO OUTPUT jacks and the DIGITAL AUDIO OUTPUT BITSTREAM/PCM jack if you:
 - view the playback picture on an HDMI TV connected to this player.
 - play an HD DVD video disc of a certain type, recorded in linear PCM format.
 In this case, the output level will be restored by setting to “Downmixed PCM”.

17 Press RETURN or ◀ to return to the menu of step 1.

Preparation (continued)

E: Ethernet

Perform this setting if you connect the player to your LAN (⇒ page 17).

After performing this setting, you need to turn off this player and turn it on again to activate this setting.

If you do not connect, skip to Step 20.

18 Press ▲/▼ to select “Ethernet”, then press OK.

19 Press ▲/▼ to select each of the followings, then press OK.

DHCP	Off	①	To set your network information.
Proxy Setting	Off	②	To input proxy server address (when your provider requires the setting).
MAC Address			To display the MAC address of the player. (Fixed. No need to set.)
NTP Server	Off	③	To adjust the player’s clock via the network time protocol.
Network Speed	56kbps Modem	④	To select the speed according to the specification of your LAN.
Cookie Setting	Accept	⑤	To select whether you access “Cookies” or not.

① DHCP

1 Set “DHCP” to “On” and press OK button.
The network information is automatically set.

2 Set “DNS” to “On” and press OK button.
The DNS server is obtained automatically from the DHCP server.

3 Select “Confirm”, then press OK button.
Confirming starts.
If the setup is successful, an IP address appears.
Press OK button.

Skipped when “DHCP” is set to “On”.

Skipped when “DNS” is set to “On”.

If the setup is not successful:

a) Set “DHCP” to “Off” and press OK button.

b) Input the addresses using the number buttons.

“IP Address”	This sets a different address within the same subnet of the PC on your network. e.g. if the IP address of the PC is 192.168.1.10, set 192.168.1.15 (or some other unused address.)
“Subnet Mask”	This sets the subnet mask of the network environment that will be connected. e.g.: 255.255.255.0
“Gateway”	This sets the gateway used by the player (e.g.: 192.168.1.1).
“DNS Server”	This sets the DNS server to be used by the player (e.g.: 192.168.1.1).

c) Select “OK” and press OK button.

② Proxy Setting

Enter the proxy server address when your provider requires proxy setting.

1 Set “Proxy” to “On” and press OK button.

2 Enter the specified data from the provider.
Refer to the instructions below for inputting characters. (Server, Port)

3 Select “OK” and press OK button.

How to input characters	
OK button	To begin or finish input.
▲/▼ buttons	To select a character.
◀/▶ buttons	To move to the next character.
CLEAR button	To erase to correct.
Number buttons	To input a number.

③ NTP Server

Select “On” or “Off” and press OK button.

“On” The player automatically accesses an internet server to adjust time protocol.

“Off” The player does not access an internet server to adjust its clock.

Playing

Preparation

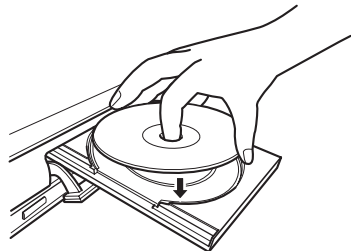
- Turn on the TV or audio system and select the corresponding input source that the player is connected to.
- Turn the power on. (⇒ page 18)

Playing a disc

HD DVD DVD-Video DVD-RW DVD-R CD

1 Press **OPEN/CLOSE** to open the disc tray.

2 Place a disc in the hollow of the disc tray with the playback side down.

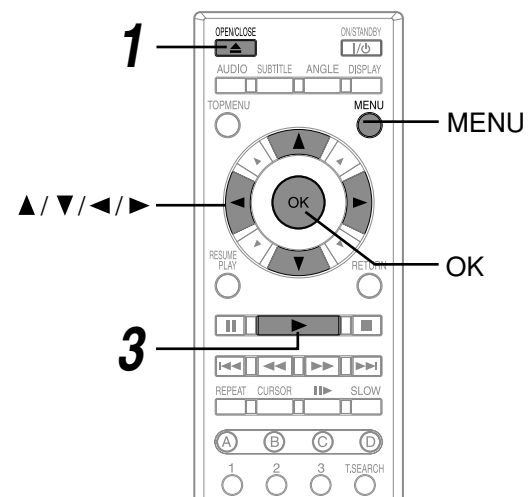
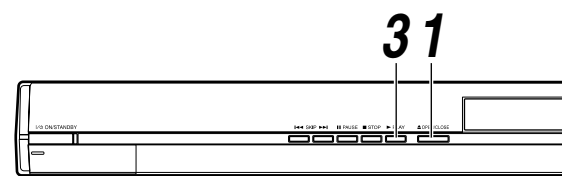


When using a double-sided disc, turn the label of the playing side up.

3 After placing a disc, press **OPEN/CLOSE**.

Playback starts.

If playback does not start, press **▶ (PLAY)**.



HD DVD DVD-Video If a loaded disc contains a top menu, a top menu appears when you start playback.

Select a title by **▲ / ▼ / ◀ / ▶** (or **number buttons**), then press **OK**.

Playback starts from chapter 1 of the selected title.

- Depending on the disc, you may need to press **TOP MENU** or **MENU** to display a top menu.

DVD-RW DVD-R Discs recorded on personal devices such as DVD recorders may contain menus, on which items can be easily selected.

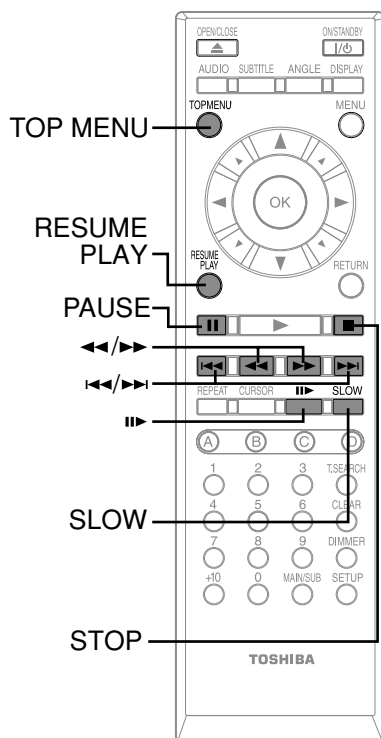
Press **MENU**, and select a title by **▲ / ▼ / ◀ / ▶**, then press **OK**.

Playback starts from the selected item.

- Discs recorded in DVD VR mode display the recorded contents not in thumbnails but in a list. Select an item on the list and press **OK** button.

Notes

- Use the button on the front panel or the remote control to open and close the disc tray. Do not push or hold the disc tray while it is moving. Doing so may cause the player to malfunction.
- Do not load a disc which is unplayable, or any object other than a playable disc.
- Do not apply downforce to the disc tray. Doing so may cause the player to malfunction.
- If the disc tray stops while closing, the mechanical protection system of this player will open it. Do not force it to close. Doing so may damage the disc tray.
- If the disc tray will not open, turn the player off, and press **OPEN/CLOSE** on the front panel. This may turn the player on and open the disc tray. If it still won't open, contact **TOSHIBA Customer Support**.



To pause playback

HD DVD DVD-Video DVD-RW DVD-R CD

Press **II** (PAUSE).

To resume press **▶** (PLAY).

To stop playback

HD DVD DVD-Video DVD-RW DVD-R CD

Press **■** (STOP).

To resume playback from the location last stopped

HD DVD DVD-Video DVD-RW DVD-R

After stopping playback, press **RESUME PLAY** (HD DVD) or **▶** (PLAY) (DVD-Video DVD-RW DVD-R CD).

If you want to return to the beginning, press **■** (STOP), then press **▶** (PLAY).

Notes

- Pressing **▶** (PLAY) after stopping playback then turning the power off may also resume playback from the location last stopped.
- Resume feature cannot function when:
 - you select a disc menu language (⇒ page 32) or change the parental lock setting (⇒ page 34).
 - you open the disc tray.
- There may be a difference in the location where playback resumes depending on the disc.
- It is possible to change the setting from the setup menu while the player retains a location in memory, however, the new setting can be valid only after the player clears the location memory, i.e., starts resume playback.
- Some discs or scenes may not permit this operation.
- While the ADV indicator on the front panel illuminates, this feature is not available.

To change playback speed

HD DVD DVD-Video DVD-RW DVD-R CD

Button	Function	Operation	To cancel
◀◀	Fast reverse playback	Pressing this button repeatedly changes the playback speed.	PLAY
▶▶	Fast forward playback	Pressing this button repeatedly changes the playback speed.	PLAY
SLOW*	Playing in slow-motion	Pressing this button repeatedly changes the playback speed.	PLAY
▶▶**	Playing frame by frame	1 Press II to pause playback. 2 Press this button repeatedly.	PLAY
▶▶I	To skip to the next chapter/track	Press this button once.	—
I◀◀	To return to the previous chapter/track	Pressing this button once locates the beginning of the current chapter or track. Pressing this button twice locates the beginning of the previous chapter or track.	—
TOP MENU	To display a top menu	1 Press this button. 2 Press ▲/▼/◀/▶ to select a title. 3 Press OK.	TOP MENU

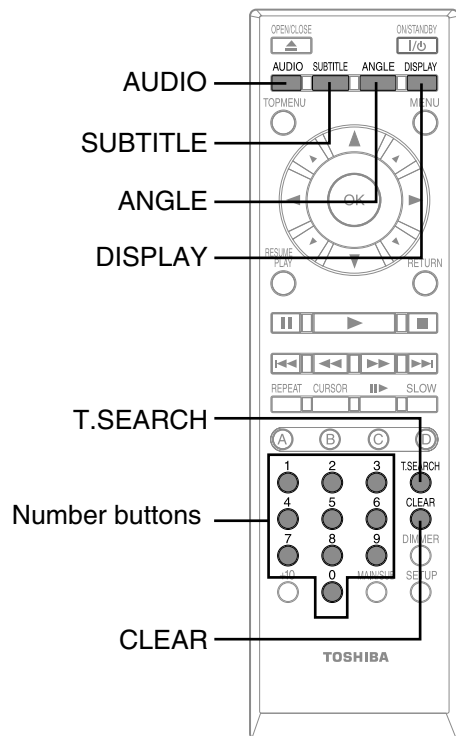
* Not available in CD playback.

** Some discs may not permit this operation.

Note

- If the player freezes for about 15 minutes or more and will not respond to any buttons, holding down ON/STANDBY button on the front panel for about 10 seconds can force the player to turn off. However, this is an emergency measure, which may cause damage to the player. Avoid casual use of this measure.

Playing (continued)



To select the sound

HD DVD DVD-Video DVD-RW DVD-R

If a disc contains several languages, you can select a preferred language from them to hear.

1 During playback, press AUDIO.

The current audio setting appears. (except for some HD DVD discs)

e.g. **Audio** (English)1

A language code (⇒ page 33) may appear.

2 Press AUDIO while the audio setting is displayed on the TV screen.

Notes

- Some discs allow you to change audio selections only via the disc menu. If this is the case, press MENU button and choose the appropriate language from the selections on the disc menu.
- When you turn on the player or replace a disc, the player returns to the initial default setting (⇒ page 33). Depending on a disc, a specific type of audio the disc has is output.
- Immediately after you have switched audio output modes, there may be a temporary discrepancy between the display and actual sound.

To select subtitles

HD DVD DVD-Video

You can display subtitles on the TV and select a subtitle language from those included on the disc.

1 During playback, press SUBTITLE.

The current subtitle setting appears. (except for some HD DVD discs)

e.g. **Subtitle** (English)1 Off

A language code (⇒ page 33) may appear.

Each time you press ◀/▶, "On" and "Off" alternates. Select "On" to view subtitles.

2 Press SUBTITLE while the subtitle setting is displayed on the TV screen.

Subtitle languages which do not appear in the setting are not included in the disc.

Notes

- Some discs are set to display subtitles automatically.
- Depending on the scene, subtitles may not appear immediately after you set the subtitle function to on.
- Some discs will allow you to change subtitle languages and turn subtitles on or off only via the disc menu.
- When you turn on the player or replace a disc, the player returns to the initial default setting (⇒ page 33). Depending on a disc, a specific type of subtitles the disc has is output.
- Depending on the scene, the subtitle language may not change immediately after selected.

To select the camera angle

HD DVD DVD-Video

If the scene was recorded with multiple angles, you can easily change the camera angle of the scene you are watching.

1 While playing a scene recorded with multiple angles (angle icon () displayed on the TV and the front panel), press ANGLE.

The current angle setting appears. (except for some HD DVD discs)

e.g. **Angle** (1/6)

Number of angles in the current title

Angle number

2 While the angle number is displayed, press ANGLE repeatedly to select the angle number.

Notes

- You can also change the camera angle during still playback. The camera angle changes to the new setting when you resume normal playback.
- If you pause a picture immediately after changing a camera angle, the resumed playback picture may not display the new camera angle.

To locate a position

HD DVD DVD-Video DVD-RW DVD-R CD

1 Press T.SEARCH repeatedly to select the category.

Category	To search by specifying:
Title	Title number
Chapter	Chapter number
Time	Elapsed time of the current title (track)
Track	Track number

2 Press the number buttons to enter a number.

e.g. To enter 25:

"2" → "5"

e.g. To enter 1 hour, 25 minutes, and 30 seconds:

"1" → "2" → "5" → "3" → "0"

Pressing CLEAR resets the numbers.

3 Press OK.

Playback starts from the specified location.

Notes

- Some discs may not permit these operations.
- While the ADV indicator on the front panel illuminates, these features are not available.

3 Press OK.

Repeat playback starts.

Notes

- Some discs may not permit repeat playback operation.
- You can cancel repeat playback also by pressing ■ (STOP).

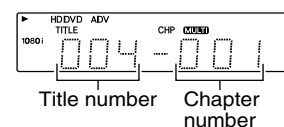
To check the current status

HD DVD DVD-Video DVD-RW DVD-R CD

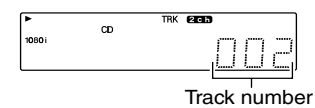
1 Press DISPLAY.

The display on the front panel changes to numbers of a current title, chapter or track.

e.g. HD DVD



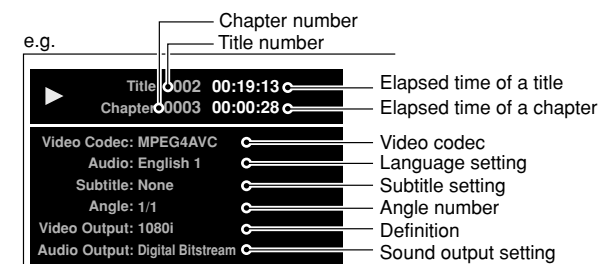
e.g. CD



2 Press DISPLAY.

The following on-screen display appears.

HD DVD DVD-Video DVD-RW DVD-R



To play repeatedly

DVD-Video DVD-RW DVD-R CD

1 Press REPEAT.

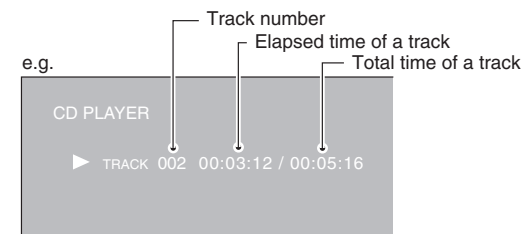
The repeat modes are listed.

(The selections on the list vary depending on category or status of a disc.)

2 Press ▲ / ▼ to select the repeat mode.

Mode	To repeat:
All Repeat	Entire disc
Title Repeat	Current title
Chapter Repeat	Current chapter
Track Repeat	Current track
Disc Repeat	Entire disc
A-B Repeat	You can specify a segment to repeat. Select this and press OK. "A B Repeat A Point" appears. Perform steps 1) and 2) below, and skip step 3. 1) While the above display appears, press OK at a start point of a segment where you want to repeat. The display changes to "A B Repeat B Point". • To cancel the setting, press REPEAT. 2) Press OK at an end point of a segment where you want to repeat. Playback returns to the point A and repeats between A and B.

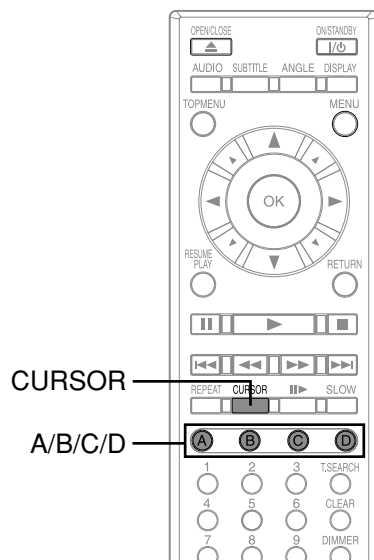
CD



3 Press DISPLAY to turn off the display.

Playing (continued)

HD DVD playing options in the future



Extension port



A/B/C/D buttons

HD DVD

Use these buttons as indicated by the video display during HD DVD disc playback. Depending on the disc contents, the functions of each button may differ.

Cursor controls

HD DVD

Future HD DVD discs may include game software and drawing software. If they do you can use the cursor function for some software.

- 1 Press CURSOR while a disc with support for cursor use is playing.**
- 2 Use the eight direction buttons to move the cursor.**

Move the cursor to select the game target or selection item. For details on actual operations, also refer to the operations guide for the disc.

Controller port

HD DVD

The extension port may be used in the future for additional control options.

Requirements for HD DVD discs/Web-enabled network content

- An always-on broadband internet connection
- An HD DVD disc containing or having the capability of downloading studio-provided, web-enabled network content.

Notes

- To minimize any potential compatibility and/or connectivity issues, before attempting to view any studio-provided web-enabled, network content, it is recommended that you perform the firmware update process to ensure that your HD DVD player is using the latest firmware version.
- Toshiba is not responsible for any malfunction of the player and/or the internet connection feature due to communication errors/malfunctions associated with your broadband internet connection, or other connected equipment.
- Toshiba is not responsible for any trouble in your internet connection.
- If you wish to use a wireless network to connect the player, you will need to use a wireless LAN ethernet adapter to connect the player to the network.
- The features of HD DVD discs made available through the Internet Connection feature are not created or provided by Toshiba, and Toshiba is not responsible for their functionality or continued availability. Some disc related material available by the Internet Connection may not be compatible with this player. If you have questions about such content, please contact the producer of the disc.
- Some internet contents may require a higher bandwidth connection.
- Even if the player is properly connected and configured, some internet contents may not operate properly because of internet congestion, the quality or bandwidth of your internet service, problems at the provider of the content or compatibility issues.
- Some internet connection operations may not be possible due to certain restrictions set by the Internet service provider (ISP) supplying your broadband Internet connection.
- Any fees charged by an ISP including, without limitation, connection charges are your responsibility.
- A 10 Base-T or 100 Base-TX LAN port is required for connection to this player. If your internet service does not allow for such a connection, you will not be able to connect the player.
- A DSL modem is required to use DSL service and a cable modem is required to use cable modem service. Depending on the access method of and subscriber agreement with your ISP, you may not be able to use the internet connection feature contained in this player or you may be limited to the number of devices you can connect at the same time. (If your ISP limits subscription to one device, this player may not be allowed to connect when a PC is already connected.)
- The use of a "Router" may not be allowed or its usage may be limited depending on the policies and restrictions of your ISP. For details, contact your ISP directly.

Output sound conversion table

Disc	ADV indicator	Audio format	"Digital Out SPDIF"		"Digital Out HDMI"			
			Bitstream	PCM	Auto	PCM ²	Downmixed PCM	
HD DVD Video Advanced content	ADV	DD Plus/Dolby TrueHD	Dolby Bitstream	2ch PCM	Depend on HDMI receiver	up to 5.1ch PCM ³	2ch PCM ¹	
		dts-HD/L-PCM	DTS Bitstream	2ch PCM				
HD DVD Video Standard content	(off)	DD plus	Bitstream	2ch PCM	Depend on HDMI receiver	up to 5.1ch PCM ²	2ch PCM	
		True HD	48kHz	Dolby Bitstream	2ch PCM	Depend on HDMI receiver	up to 5.1ch PCM	2ch PCM
			96kHz	Dolby Bitstream	2ch PCM ¹	Depend on HDMI receiver	up to 5.1ch PCM	2ch PCM ¹
			192kHz	Dolby Bitstream	2ch PCM ¹	Depend on HDMI receiver	2ch PCM ¹	2ch PCM ¹
		dts-HD	Bitstream	2ch PCM	Depend on HDMI receiver	up to 5.1ch PCM ²	2ch PCM	
		L-PCM	48kHz	DTS Bitstream	2ch PCM	Depend on HDMI receiver	up to 5.1ch PCM	2ch PCM
			96kHz	DTS Bitstream	2ch PCM ¹	Depend on HDMI receiver	up to 5.1ch PCM ³	2ch PCM ¹
			192kHz	DTS Bitstream	2ch PCM ¹	Depend on HDMI receiver	2ch PCM ³	2ch PCM ¹
MPEG	Bitstream	2ch PCM	Depend on HDMI receiver	2ch PCM	2ch PCM			
DVD-Video	(off)	DD	Bitstream	2ch PCM	Depend on HDMI receiver	up to 5.1ch PCM	2ch PCM	
		L-PCM	48kHz	2ch PCM	2ch PCM	2ch PCM	2ch PCM	
			96kHz	2ch PCM ¹	2ch PCM ¹	2ch PCM	2ch PCM ³	2ch PCM ¹
		dts	Bitstream	2ch PCM	Depend on HDMI receiver	up to 5.1ch PCM	2ch PCM	
		MPEG	Bitstream	2ch PCM	Depend on HDMI receiver	2ch PCM	2ch PCM	
CD	(off)	L-PCM 44.1kHz	2ch PCM	2ch PCM	2ch PCM	2ch PCM	2ch PCM	
		dts 44.1kHz	Bitstream	2ch PCM	Depend on HDMI receiver	up to 5.1ch PCM	2ch PCM	
DVD-VR	(off)	DD	Bitstream	2ch PCM	Depend on HDMI receiver	2ch PCM	2ch PCM	
		L-PCM	2ch PCM	2ch PCM	2ch PCM	2ch PCM	2ch PCM	
		MPEG	Bitstream	2ch PCM	Depend on HDMI receiver	2ch PCM	2ch PCM	

1: Downsampled PCM.

2: Up to 5.1 channel PCM audio output is possible only when the connected device supports multi channel output.

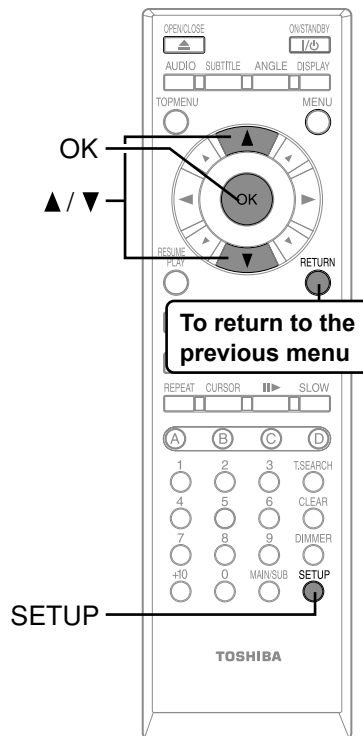
3: This output format is possible when the resolution setting is "720p", "1080i" or "1080p". When the resolution setting is set to "480p", this output format depends on HDMI receiver.

Notes

- The main title content of most movie HD DVD discs is "advanced content". The player turns on the ADV indicator when an HD DVD disc which includes such content is loaded.
- The DIGITAL AUDIO OUTPUT BITSTREAM/PCM jack may not output sound you select. In this instance, set "Digital Out SPDIF" to "PCM".
- The ANALOG AUDIO OUTPUT jacks always output 2ch sound only.

Customizing the function settings

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



1 During stop, press **SETUP**.

“SETUP MENU” appears.

2 Press **▲ / ▼** to select the group that contains a desired item, then press **OK**.

3 Press **▲ / ▼** to select the setting item, then press **OK**.

4 Refer to the explanations on pages beginning from 31, to change the selection by **▲ / ▼** or other buttons, then press **OK**.

5 Repeat step 3 and 4 to set other items if necessary.

6 Press **SETUP**.

“SETUP MENU” disappears and the setting is completed.

Group	Setting	Disc	Details	Page
Picture	TV Shape	HD DVD DVD-Video DVD-RW DVD-R CD	To select a picture size according to the aspect ratio of your TV.	31
	Enhanced Black Level	HD DVD DVD-Video DVD-RW DVD-R	To select the black level (0 IRE or 7.5 IRE).	31
	RGB Output Range	HD DVD DVD-Video DVD-RW DVD-R	To select the RGB range according to the output range of the connected DVI monitor.	31
	Picture Mode	HD DVD DVD-Video DVD-RW DVD-R	To select the system of output signal corresponding to playback source. (Only when connected to a PROGRESSIVE TV.)	32
	Resolution Setting	HD DVD DVD-Video DVD-RW DVD-R	To select the resolution of the player's output, according to the connected TV.	20
Audio	Digital Out SPDIF	HD DVD DVD-Video DVD-RW DVD-R CD	To select the output sound format when connecting the DIGITAL AUDIO OUTPUT jack.	21
	Digital Out HDMI	HD DVD DVD-Video DVD-RW DVD-R CD	To select the output sound format when connecting the HDMI OUTPUT jack.	21
	Dynamic Range Control	HD DVD DVD-Video DVD-RW DVD-R	To turn on or off a function that makes faint sounds easier to hear even if you lower the volume during late-hour playback.	32
	Dialog Enhancement	HD DVD DVD-Video DVD-RW DVD-R	To turn on or off a function that increases dialog volume of a disc playback.	32
Language	Disc Menu Language	HD DVD DVD-Video	To select a preferred language for disc menus.	32
	Subtitle Language	HD DVD DVD-Video	To select a preferred language for subtitles.	33
	Audio Language	HD DVD DVD-Video	To select a preferred language for the sound track.	33
	On Screen Language	HD DVD DVD-Video DVD-RW DVD-R CD	To select a preferred language for on-screen displays.	33
Ethernet		HD DVD	To set up internet connection feature.	22

Group	Setting	Disc	Details	Page
General	Parental Lock	HD DVD DVD-Video	To turn the parental lock function on or off.	34
	Clock Set	HD DVD DVD-Video DVD-RW DVD-R CD	To set the clock of the player.	19
	OSD On/Off	HD DVD DVD-Video DVD-RW DVD-R CD	To activate or deactivate the operational status display on the TV screen.	35
	Remote Controller Sound	HD DVD DVD-Video DVD-RW DVD-R CD	To turn on or off the confirmation beeper announcing when each remote command is received.	35
	HDMI Control	HD DVD DVD-Video DVD-RW DVD-R CD	To turn on or off the features offered with CEC (Consumer Electronics Control).	35
	Screen Saver	HD DVD DVD-Video DVD-RW DVD-R CD	To turn on or off the screen saver (screen protection to prevent image burn).	35
	Maintenance	HD DVD DVD-Video DVD-RW DVD-R CD	To reset player options to factory defaults or check for firmware updates.	35
	Twin Format Disc	HD DVD	To select the layer to play of an HD DVD Twin Format Disc. (Not available while a disc is loaded.)	35

Settings

Picture

Note

- Actual effects of these settings may vary depending on performance of connected device.

TV Shape	
16:9	Select when a 16:9 wide TV is connected.
4:3	Select when a standard 4:3 TV is connected. Displays pictures cropped to fill your TV screen. Both of the picture's sides are cut off.
4:3 Letter Box	Select when a standard 4:3 TV is connected. Displays theatrical images with masking bars above and below the picture.

Notes

- When an HD DVD disc or a DVD video disc has a particular available picture shape, the contents may not be compatible with other picture shapes.
- DVD video discs containing 4:3 picture only always display 4:3 pictures regardless of this setting.
- If "16:9" is selected while connecting a 4:3 TV, playback pictures may be distorted horizontally or shrink vertically. Make this setting according to your TV shape.
- Actual picture shape may depend on signal types of broadcasts or input sources, or settings on the connected TV. Refer to the owner's manual of your TV.

Enhanced Black Level

On	To display deeper, richer black than in "Off" setting. (0 IRE)
Off	Normal black level. (7.5 IRE)

Note

- Effective only in 480i output from the COMPONENT VIDEO OUTPUT jacks or the VIDEO OUTPUT jack.

RGB Output Range

Standard	For a monitor of RGB range 16-235.
Enhanced	For a monitor of RGB range 0-255.

Note

- If "Standard" pales black or "Enhanced" blackens too much, change the setting.

(Continued)

Customizing the function settings (Continued)

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.

Film	The player converts film content pictures in the progressive output format appropriately. Suitable for playback of film content pictures.
Video	The player filters video signal, and converts it in the progressive output format appropriately. Suitable for playback of video content pictures.
Auto	Select this position normally. The player automatically detects source content, film or video, of playback source, and converts that signal in the progressive output format in an appropriate method.

Note

- The player may not be able to detect the source (film or video) of some material. If you notice undesirable picture performance, try selecting "Film" or "Video".

Resolution Setting

See ⇨ page 20.

Audio

Digital Out SPDIF

See ⇨ page 21.

Digital Out HDMI

See ⇨ page 21.

Dynamic Range Control

To turn on or off a function that makes faint sounds easier to hear even if you lower the volume during late-hour playback.

Auto	While playing an HD DVD video disc recorded in Dolby TrueHD format, this function will be automatically activated or disabled according to certain command included in the content. For other discs, this function is activated.
On	This function is activated.
Off	This function is disabled.

Notes

- This function is effective only in playback of HD DVD or DVD video discs recorded in Dolby Digital, Dolby Digital Plus or Dolby TrueHD format.
- The effect level of this function vary depending on the disc.
- Not effective in Dolby TrueHD 96 kHz 5.1 channel sound.

Dialog Enhancement

To turn on or off a function that increases dialog volume of a disc playback.

On	This function is activated.
Off	This function is disabled.

Notes

- This function is effective only in playback of Dolby Digital recorded HD DVD or DVD video discs.
- The effect level of this function vary depending on the disc.

Language

Disc Menu Language

To select a preferred language for disc menus.

English / French / German / Spanish / Italian / Dutch / Russian / Swedish / Finnish / Greek / Turkish	
Other	To make a further language choice. Refer to "How to select a language" (⇨ page 33).

Note

- Some discs may be played in a different language from that you selected, as the disc may contain alternate language.

Subtitle Language

To select a preferred language for subtitles.

English / French / German / Spanish / Italian / Dutch / Russian / Swedish / Finnish / Greek / Turkish

None To disable subtitles.

Other To make a further language choice.
Refer to "How to select a language" (⇒ page 33).

Notes

- Some discs may be set to display subtitles in a different language from that you selected, as the disc may contain alternate language.
- Some discs allow you to change subtitle selections only via the disc menu. In this case, press MENU button and choose the appropriate subtitle language from the selection on the disc menu.

Audio Language

To select a preferred language for the sound track.

English / French / German / Spanish / Italian / Dutch / Russian / Swedish / Finnish / Greek / Turkish

Other To make a further language choice.

Refer to "How to select a language" (⇒ page 33).

Note

- Some discs may be played in a different language from that you selected, as the disc may contain alternate language.

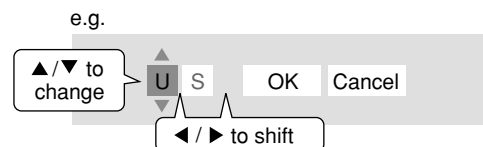
On Screen Language

To select a preferred language for on-screen displays.

English / French / German / Spanish / Italian / Dutch / Russian / Swedish / Finnish / Greek / Turkish

How to select a language:

- 1) Obtain the code from the list below.
- 2) Enter the code as below.
- 3) Select "OK" and press OK button.



Language code list

Code	Language	Code	Language	Code	Language	Code	Language	Code	Language
---	No alternate language	CA	Catalan	IN	Indonesian	NE	Nepali	ST	Sesotho
		CO	Corsican	IS	Icelandic	NO	Norwegian	SU	Sundanese
CHI (ZH)	Chinese	CS	Czech	IW	Hebrew	OC	Occitan	SV	Swedish
DUT (NL)	Dutch	CY	Welsh	JI	Yiddish	OM	(Afan) Oromo	SW	Swahili
ENG (EN)	English	DA	Danish	JW	Javanese	OR	Oriya	TA	Tamil
FRE (FR)	French	DZ	Bhutani	KA	Georgian	PA	Panjabi	TE	Telugu
GER (DE)	German	EL	Greek	KK	Kazakh	PL	Polish	TG	Tajik
ITA (IT)	Italian	EO	Esperanto	KL	Greenlandic	PS	Pashto, Pushto	TH	Thai
JPN (JA)	Japanese	ET	Estonian	KM	Cambodian	PT	Portuguese	TI	Tigrinya
KOR (KO)	Korean	EU	Basque	KN	Kannada	QU	Quechua	TK	Turkmen
MAY (MS)	Malay	FA	Persian	KS	Kashmiri	RM	Rhaeto-Romance	TL	Tagalog
SPA (ES)	Spanish	FI	Finnish	KU	Kurdish	RN	Kirundi	TN	Setswana
AA	Afar	FJ	Fiji	KY	Kirghiz	RO	Rumanian	TO	Tongan
AB	Abkhazian	FO	Faroese	LA	Latin	RU	Russian	TR	Turkish
AF	Afrikaans	FY	Frisian	LN	Lingala	RW	Kinyarwanda	TS	Tsonga
AM	Amharic	GA	Irish	LO	Laotian	SA	Sanskrit	TT	Tatar
AR	Arabic	GD	Scottish Gaelic	LT	Lithuanian	SD	Sindhi	TW	Twi
AS	Assamese	GL	Galician	LV	Latvian, Lettish	SG	Sango	UK	Ukrainian
AY	Aymara	GN	Guarani	MG	Malagasy	SH	Serbo-Croatian	UR	Urdu
AZ	Azerbaijani	GU	Gujarati	MI	Maori	SI	Singhalese	UZ	Uzbek
BA	Bashkir	HA	Hausa	MK	Macedonian	SK	Slovak	VI	Vietnamese
BE	Belorussian	HI	Hindi	ML	Malayalam	SL	Slovenian	VO	Volapük
BG	Bulgarian	HR	Croatian	MN	Mongolian	SM	Samoan	WO	Wolof
BH	Bihari	HU	Hungarian	MO	Moldavian	SN	Shona	XH	Xhosa
BI	Bislama	HY	Armenian	MR	Marathi	SO	Somali	YO	Yoruba
BN	Bengali, Bangla	IA	Interlingua	MT	Maltese	SQ	Albanian	ZU	Zulu
BO	Tibetan	IE	Interlingue	MY	Burmese	SR	Serbian		
BR	Breton	IK	Inupiak	NA	Nauru	SS	Siswati		

Customizing the function settings (Continued)

Ethernet

See ⇨ page 22.

General

Parental Lock

HD DVD and DVD video discs equipped with the Parental Lock function have a predetermined limitation level. The limitation level or limitation method may differ depending on the disc. For example the whole contents of a disc may not be played back, or an extreme violent scene may be cut or replaced automatically by another scene.

Important

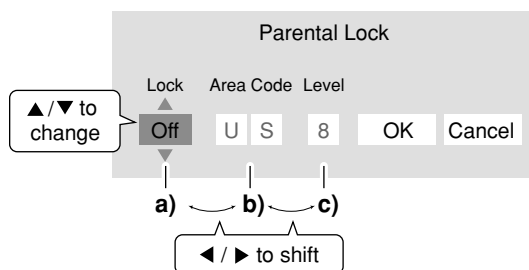
- Depending on discs, it may not be evident whether the disc is compatible with Parental Lock function. Make sure that Parental Lock function you set is activated correctly.

1 Enter a 4-digit password by using the number buttons, then press OK button.

When you use the player for the first time, set a new password of 4-digit. If you make a mistake entering your password, press CLEAR button before pressing OK button, and re-enter the correct password.

2 Set the details.

a) Select "On" or "Off" by pressing ▲ / ▼ buttons.



On

Select this to activate Parental Lock function or to change the setting.

Off

Deactivates the Parental Lock function. Skip b) and c) to go to 3.

b) Enter the code of a country/area whose standards were used to rate a disc, referring to the list below.

Country/Area	Code	Country/Area	Code	Country/Area	Code
AUSTRALIA	AU	INDONESIA	ID	SPAIN	ES
BELGIUM	BE	ITALY	IT	SWEDEN	BE
CANADA	CA	JAPAN	JP	SWITZERLAND	CH
CHINA	CN	MALAYSIA	MY	TAIWAN	TW
CHINA HONG KONG	HK	NETHERLANDS	NL	THAILAND	TH
DENMARK	DK	NORWAY	NO	UNITED KINGDOM	GB
FINLAND	FI	PHILIPPINES	PH	UNITED STATES	US
FRANCE	FR	RUSSIAN FEDERATION	RU		
GERMANY	DE	SINGAPORE	SG		

c) Select the desired limitation level.

Unless the Parental Lock function is set to "Off", a disc that has a higher limitation level than your selected limitation level cannot be played back. For example, if you select level 7, discs exceeding level 8 are locked and cannot be played back.

When "US" is selected, its limitation level corresponds to the following settings.

Level 7: NC-17 Level 6: R Level 4: PG13 Level 3: PG Level 1: G

3 Select "OK" then press OK button.

■ To change the limitation level of Parental Lock function

Follow steps 1 - 3 above.

■ To change the password

1 At step 1, press STOP button 4 times then press OK button.

The password is cleared.

2 Enter a new 4-digit password by using the number buttons.

3 Press OK button.

Clock Set

See ⇨ page 19.

OSD On/Off

On	Activates the operational status display (e.g., ►) on the TV screen.
Off	Deactivates the operational status display (e.g., ►) on the TV screen.

Remote Controller Sound

On	Turns on the beep sound.
Off	Turns off the beep sound.

HDMI Control (CE-Link)

To turn on or off the features offered with CEC (Consumer Electronics Control) when an HDMI device is connected to this player. Use of HDMI Control which is a feature based on HDMI-CEC requires an HDMI-CEC compatible display device.

Enable HDMI control	Select "On" to control this player using the remote control of your TV. To disable this function, select "Off".
OneTouchPlay	(Only when "Enable HDMI control" is set to "On") Select "On" to turn the connected TV on if it is off and set its input to the player automatically to display the player's picture, by pressing one of ► (PLAY), MENU, RESUME PLAY, TOP MENU buttons. To disable this function, select "Off".
SystemStandby	(Only when "Enable HDMI control" is set to "On") Select "On" to turn off both the player and the connected TV from the TV's remote control. To disable this function, select "Off".

Notes

- Depending on the specifications of your TV, this function does not work even when your TV is HDMI-compatible.
- All the above features may not always work on all compatible TVs.

Screen Saver

Auto Power Off	Turns the player off if stop mode or picture pausing continues for about 20 minutes.
On	Activates the screen saver if stop mode or picture pausing continues for about 20 minutes.
Off	Deactivates the screen saver.

Notes

- Toshiba does not guarantee that this function will protect your display.
- To close the screen saver, press any button on the player or the remote control.
- When an HD DVD disc is used, this function activates only in stop mode.

Maintenance

Initialize	To reset all the settings listed on ⇨ page 30, 31 to factory set default. Press ◀ / ▶ buttons to select "Yes" then press OK button.
Update (Firmware update)	If you have a broadband internet service, you may obtain firmware update over the internet using the LAN port on the back of your player. <ul style="list-style-type: none">• BEFORE BEGINNING THE FIRMWARE UPDATE PROCESS, BE SURE TO REMOVE ANY DISCS FROM YOUR PLAYER. Please configure the LAN port (⇨ page 17). You may need to turn on DHCP and DNS (⇨ page 22).• Press SETUP and select "General" > "Maintenance". Follow the instructions on the screen.• If a firmware update is available for your player, the player will download it. Once the firmware update download process has finished, the player's power will automatically switch off. You must wait until this process has finished.• DO NOT UNPLUG, TURN OFF, OR USE ANY OTHER FEATURE OF YOUR PLAYER DURING THE FIRMWARE UPDATE PROCESS. Doing so will cause the writing of the firmware update to the player to be halted and the player may no longer operate properly. If the player stops working, please contact Toshiba Customer Solutions at (800) 319-6684.• If no firmware update is available, the player will quickly exit the firmware update process.
Persistent Storage	To open the menu to control player's memory allocated for content. The menu selections will vary depending on the content. Operate following the instructions displayed on your screen.

Twin Format Disc

To select a layer to play, HD DVD or DVD of an HD DVD Twin Format Disc. (Not available if a disc is loaded.)

HD DVD	Only the HD DVD layer is played.
DVD	Only the DVD layer is played.

Note

- For combination discs, select the desired version by disc side (see label for information).

Before calling service personnel

Before accessing, try updating this player's firmware. For details on how to update, see "Update (Firmware update)" (⇒ page 35).

If you experience any of the following difficulties while using this unit, check the list below before consulting your nearest Toshiba dealer.

Symptom	Remedy	Page
No power.	<ul style="list-style-type: none"> Is the power plug disconnected? Check the power connection. 	17
No picture.	<ul style="list-style-type: none"> Is the cable for connecting the player and TV disconnected or not connected properly? Check the connections. 	15
	<ul style="list-style-type: none"> Switch the input of the connected TV to the signal from the player. 	–
	<ul style="list-style-type: none"> Are both the HDMI OUTPUT jack and the COMPONENT VIDEO OUTPUT jacks connected simultaneously? Select either connection and make the appropriate setting. 	15
	<ul style="list-style-type: none"> In case the menu of "Resolution Setting" disappears, make composite video (yellow) connection to restore it, then select the resolution which is compatible with the connected TV. 	20
No sound.	<ul style="list-style-type: none"> Is the audio cable disconnected? 	14, 16
	<ul style="list-style-type: none"> Is the volume of the device turned down to the minimum level? Check the volume. 	–
	<ul style="list-style-type: none"> Switch the audio input of the device connected by the audio cable to the input from the player. 	–
	<ul style="list-style-type: none"> Set "Digital Out SPDIF" or "Digital Out HDMI" properly in accordance with the connected device and connection procedure. 	21
	<ul style="list-style-type: none"> Change the output resolution so that sound can be heard. 	20
	<ul style="list-style-type: none"> If using the optical digital output for a Dolby Digital Plus, Dolby TrueHD, DTS-HD or DTS soundtrack, be sure your AV receiver or processor is set to use the input connected to your player and is set to decode a DTS bitstream. If your AV receiver or processor does not support DTS, select PCM output on the player. 	21
The disc does not play.	<ul style="list-style-type: none"> Make sure the disc type can be played with the player. 	8
	<ul style="list-style-type: none"> Is the disc dirty or scratched? Check or clean the disc. 	8
	<ul style="list-style-type: none"> If the disc is a DVD-RW or DVD-R disc, finalize the disc before attempting to play it with the player. 	–
	<ul style="list-style-type: none"> If the disc includes parent lock support, playback is restricted while the parent lock of the player is set. Cancel Parental Lock or change the restriction level. 	34
Playback picture has noise.	<ul style="list-style-type: none"> If video from the player is watched via a video recorder or on a TV with a built-in video recorder, the copy guard may prevent images from being displayed properly. Be sure to connect the player directly to the TV. 	15
Playback picture does not move smoothly.	<ul style="list-style-type: none"> "Resolution Setting" > "up to 1080p/24Hz" is selected. Change the setting. 	20
The remote control does not work.	<ul style="list-style-type: none"> Are the batteries of the remote control dead? Replace the batteries. 	13
	<ul style="list-style-type: none"> Make sure the remote control is within range and pointed in the correct direction. 	13
HDMI Control (CE-Link) does not work.	<ul style="list-style-type: none"> Make sure the HDMI cable is firmly connected, then turn on both the TV and the player again. 	35
Screen freezes and no buttons work.	<ul style="list-style-type: none"> Pressing ON/STANDBY button on the player for approximately ten seconds forces the player to turn off. Turn the player off and then on again. 	–
After powering on, "Clock Set" menu appears.	<ul style="list-style-type: none"> The power supply to the player may have been disconnected. Reset the clock. 	19

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Specification

■ **Power requirement**

32.0W

■ **Power supply**

120V AC 60Hz

■ **Mass**

3.3kg

■ **External dimension**

Width 430 x Height 59.5 x Depth 327mm

■ **Signal system**

Standard NTSC Color TV system

■ **Laser**

Semiconductor laser

Wavelength: 405nm/650nm/780nm

■ **VIDEO output**

1.0Vp-p (75Ω), Sync signal negative, Pin jack x 1 system

■ **Component output (Y, P_B, P_R)**

Y output (green), 1.0Vp-p (75Ω),

Pin jack x 1 system

P_B, P_R output (blue, red), 0.7Vp-p (75Ω),

Pin jack x 1 system each

■ **Analog audio output**

2.0V (rms), 2.2kΩ or below, pin jack
(L, R) x 1 system

■ **Digital audio output (BITSTREAM/PCM jack)**

Optical connector x 1 system

■ **LAN port**

100BASE-TX/10BASE-T x 1

■ **Extension port**

1 system

■ **HDMI output**

19 pin, Type A connector

■ **Remote control**

Wireless remote control (SE-R0285)

■ **Operating conditions**

Temperature: 41°F ~ 95°F (5°C ~ 35°C)

Position: Horizontal

■ **Clock accuracy**

Quartz (monthly deviation: approximately ±30 seconds)

- 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.
- The illustrations and screens described in this manual may be exaggerated or simplified for easy recognition and may be slightly different from the actual unit.

INFORMATION ON CUSTOMER SUPPORT

HD DVD is a new and evolving format, so changes and improvements are possible. To obtain updated information about HD DVD and this product, as well as customer support information about this product, please contact Toshiba Customer Support:

* In the U.S., please call 1 (800) 319-6684, or visit www.toshibahddvd.com or www.tacp.com/customersupport.

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