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DVP4320



EN	User manual	3
MS-MY	Manual pengguna	21
ZH-HK	使用手	41

# PHILIPS

# Contents

<b>1</b>	<b>Important</b>	4	<b>7</b>	<b>Additional information</b>	17
	Safety and important notice	4		Update software	17
	Trademark notice	4		Care	18
				Specifications	18
<b>2</b>	<b>Your product</b>	5	<b>8</b>	<b>Troubleshooting</b>	19
	Feature highlights	5			
	Product overview	5	<b>9</b>	<b>Glossary</b>	20
<b>3</b>	<b>Connect</b>	6			
	Connect video cables	6			
	Connect audio cables	7			
	Route audio to other devices	7			
	Connect USB flash drive	8			
	Connect power	8			
<b>4</b>	<b>Get started</b>	8			
	Prepare the remote control	8			
	Find the correct viewing channel	8			
	Select menu display language	8			
	Turn on progressive scan	9			
	Use Philips EasyLink	9			
<b>5</b>	<b>Play</b>	10			
	Play a disc	10			
	Play video	10			
	Play music	11			
	Play photo	12			
	Play from USB flash drive	13			
<b>6</b>	<b>Adjust settings</b>	13			
	General setup	13			
	Audio setup	13			
	Video setup	14			
	Preferences	16			

# 1 Important

## Safety and important notice

### Warning

- Risk of overheating! Never install the product in a confined space. Always leave a space of at least 4 inches around the product for ventilation. Ensure curtains or other objects never cover the ventilation slots on the product.
- Never place the product, remote control or batteries near naked flames or other heat sources, including direct sunlight.
- Only use this product indoors. Keep this product away from water, moisture and liquid-filled objects.
- Never place this product on other electrical equipment.
- Keep away from this product during lightning storms.
- Where the mains plug or an appliance coupler is used as the disconnect device, the disconnect device shall remain readily operable.
- Visible and invisible laser radiation when open. Avoid exposure to beam.

## About Progressive Scan

Consumers should note that not all high definition television sets are fully compatible with this product and may cause artifacts to be displayed in the picture. In case of 525 or 625 progressive scan picture problems, it is recommended that the user switch the connection to the 'standard definition' output. If there are questions regarding our TV set compatibility with this model 525p and 625p DVD player, please contact our customer service center.

## Disposal of your old product and batteries

Your product is designed and manufactured with high quality materials and components, which can be recycled and reused.



When this crossed-out wheeled bin symbol is attached to a product it means that the product is covered by the European Directive 2002/96/EC. Please inform yourself about the local separate collection system for electrical and electronic products.



Please act according to your local rules and do not dispose of your old products with your normal household waste.

Correct disposal of your old product helps to prevent potential negative consequences for the environment and human health.

Your product contains batteries covered by the European Directive 2006/66/EC, which cannot be disposed with normal household waste.



Please inform yourself about the local rules on separate collection of batteries because correct disposal helps to prevent negative consequences for the environmental and human health.

## Copyright notice

This product incorporates copyright protection technology that is protected by method claims of certain U.S. patents and other intellectual property rights owned by Macrovision Corporation and other rights owners. Use of this copyright protection technology must be authorised by Macrovision Corporation, and is intended for home and other limited viewing uses only unless otherwise authorised by Macrovision Corporation. Reverse engineering or disassembly is prohibited.



## Trademark notice

Manufactured under license from Dolby Laboratories. Dolby and the double-D symbol are trademarks of Dolby Laboratories.



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DivX, DivX Ultra Certified, and associated logos are trademarks of DivX, Inc. and are used under license.



Official DivX® Ultra Certified product.

Plays all versions of DivX® video (including DivX® 6) with enhanced playback of DivX® media files and the DivX® Media Format.

Plays DivX® video with menus, subtitles and audio tracks.

The USB-IF Logos are trademarks of Universal Serial Bus Implementers Forum, Inc.



## 2 Your product

Congratulations on your purchase, and welcome to Philips! To fully benefit from the support that Philips offers, register your product at [www.philips.com/welcome](http://www.philips.com/welcome).

### Feature highlights

#### Philips EasyLink

Your product supports Philips EasyLink, which uses the HDMI CEC (Consumer Electronics Control) protocol. EasyLink-compliant devices that are connected through HDMI connectors can be controlled by a single remote control.

#### Note

- Philips does not guarantee 100% interoperability with all HDMI CEC devices.

#### Screen Fit

View the movie in full screen display on any TV.

#### Progressive scan video

Push the limits of standard resolution and provide a more film-like DVD video display on a TV screen.

#### Hi-speed USB link

Plug a USB flash drive to the USB jack to enjoy the MP3/WMA/JPEG/DivX files.

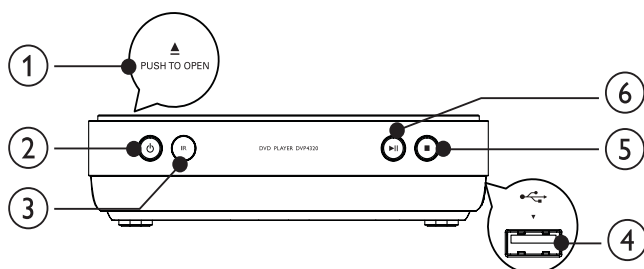
### Region codes

You can play discs with the following region codes.

DVD region code	Countries
 	Asia Pacific, Taiwan, Korea

### Product overview

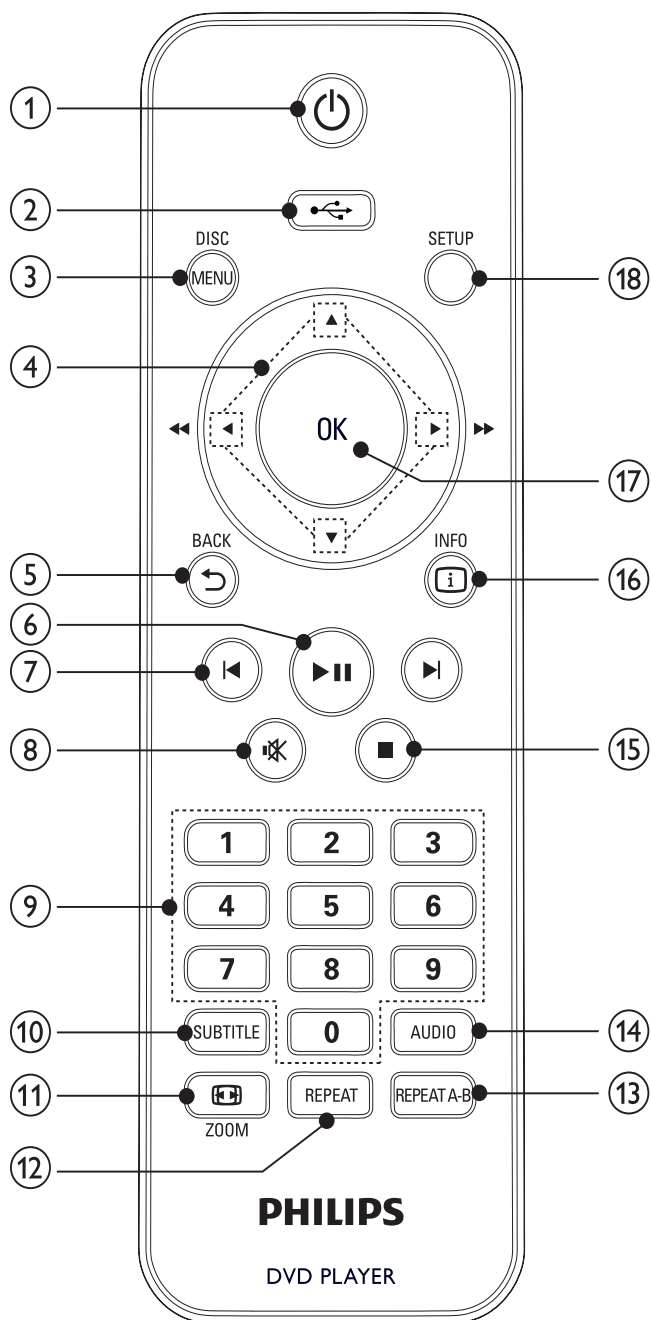
#### Main unit












- ▲PUSH TO OPEN**
  - Open the disc compartment.

- ⏻**
  - Turn on this product or switch to standby mode.
- IR sensor**
  - Point the remote control at the IR sensor.
- 🔌jack**
  - Connect a USB flash drive.
- - Stop play.
- ▶||**
  - Start, pause or resume disc play.

### Remote control



- ⏻**
  - Turn on this product or switch to standby mode.

- ② 
  - Switch to the USB mode.
- ③ **DISC MENU**
  - Access or exit the disc menu.
  - Switch to the disc mode.
  - For VCD and SVCD, turn on or off PBC (playback control).
- ④ 
  - Navigate the menus.
  - Search fast-forward (▶) or fast-backward (◀).
  - Search slow-forward (▲) or slow-backward (▼).
- ⑤  **BACK**
  - Return to the previous display menu.
- ⑥ 
  - Start, pause or resume disc play.
- ⑦ 
  - Skip to the previous or next title, chapter, or track.
- ⑧ 
  - Mute volume.
- ⑨ **Numeric buttons**
  - Select an item to play.
- ⑩ **SUBTITLE**
  - Select a subtitle language on a disc.
- ⑪  **ZOOM**
  - Fit the picture format to the TV screen.
  - Zoom the picture in or out.
- ⑫ **REPEAT**
  - Select various repeat play modes.
- ⑬ **REPEAT A-B**
  - Repeat play for a specific section.
- ⑭ **AUDIO**
  - Select an audio language or channel on a disc.
- ⑮ 
  - Stop play.
- ⑯  **INFO**
  - For discs, access the play options or display the current disc status.
  - For slideshow, display a thumbnail view of photo files.
- ⑰ **OK**
  - Confirm an entry or selection.
- ⑱ **SETUP**
  - Access or exit the setup menu.

## 3 Connect

Make the following connections to use this product.

### Basic connections:

- Video
- Audio

### Optional connections:

- Route audio to other devices:
  - Digital amplifier/receiver
  - Analog stereo system
- USB flash drive



### Note

- Refer to the type plate at the back or bottom of the product for identification and supply ratings.
- Before you make or change any connections, ensure that all the devices are disconnected from the power outlet.



### Tip

- Different types of connectors may be used to connect this product to your TV, depending on availability and your needs. A comprehensive interactive guide to help you connect your product is available at [www.connectivityguide.philips.com](http://www.connectivityguide.philips.com).

## Connect video cables

Connect this product to TV to view disc play. Select the best video connection that TV can support.

**Option 1:** Connect to the HDMI jack (for a HDMI, DVI or HDCP-compliant TV).

**Option 2:** Connect to the component video jacks (for a standard TV or Progressive Scan TV).

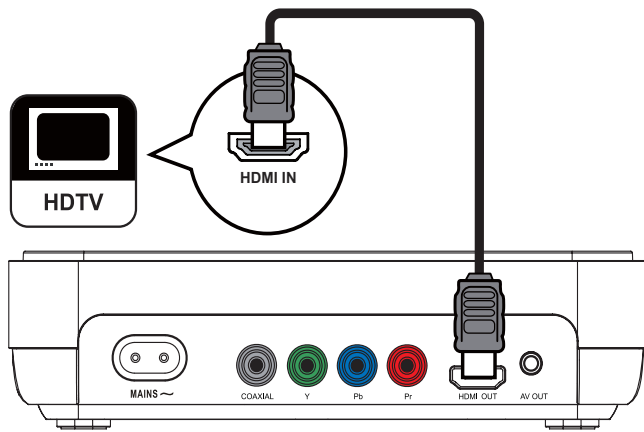
**Option 3:** Connect to the AV out jack (for a standard TV).



### Note

- You must connect this product directly to a TV.

## Option 1: Connect to the HDMI jack



- 1 Connect an HDMI cable (not supplied) to
  - the **HDMI OUT** jack on this product.
  - the HDMI input jack on the TV.

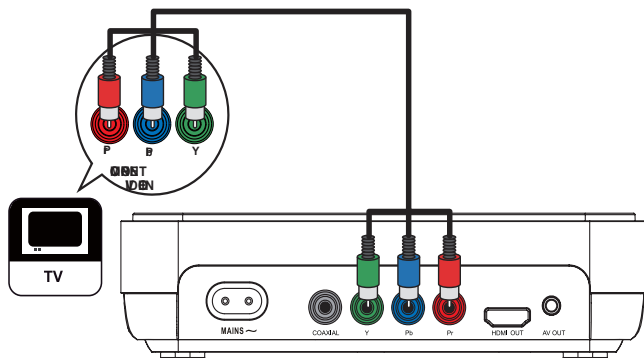
### Note

- If the device supports HDMI CEC, you can control compliant devices with a single remote control (see "Get started" > "Use Philips EasyLink").

### Tip

- This type of connection provides best picture quality.

## Option 2: Connect to the component video jack



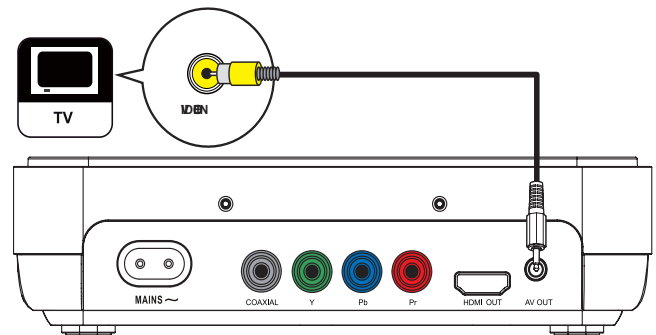
- 1 Connect the component video cables (not supplied) to:
  - the **Y Pb Pr** jacks on this product.
  - the COMPONENT VIDEO input jacks on the TV.

### Tip

- The component video input jack on the TV might be labeled as Y Pb/Cb Pr/Cr or YUV.
- This type of connection provides good picture quality.

## Option 3: Connect to the AV OUT jack

- 1 Connect the supplied AV cables to:
  - the **AV OUT** jack (3.5mm) on this product.
  - the video input jack on the TV.

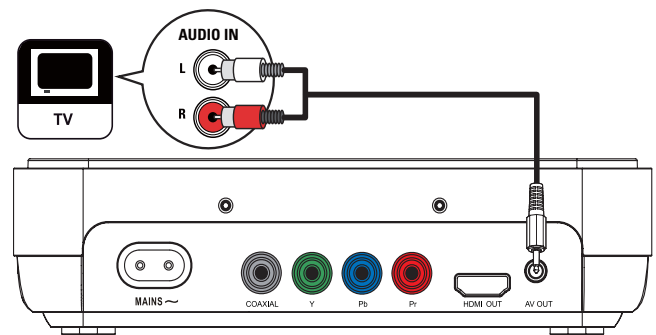


### Tip

- The video input jack on the TV may be labeled as A/V IN, VIDEO IN, COMPOSITE or BASEBAND.
- This type of connection provides standard picture quality.

## Connect audio cables

Connect the audio from this product to the TV to allow sound output through the TV.

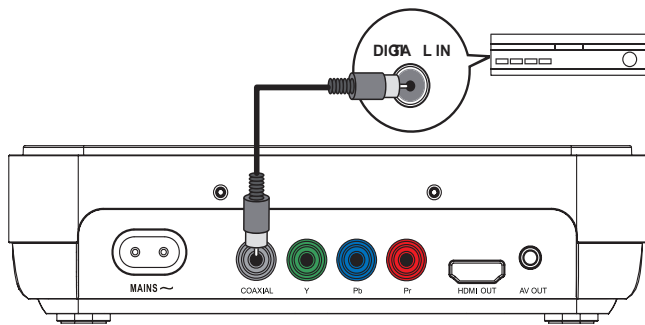


- 1 Connect the supplied AV cables to:
  - the **AV OUT** jack (3.5mm) on this product.
  - the audio input jacks on the TV.

## Route audio to other devices

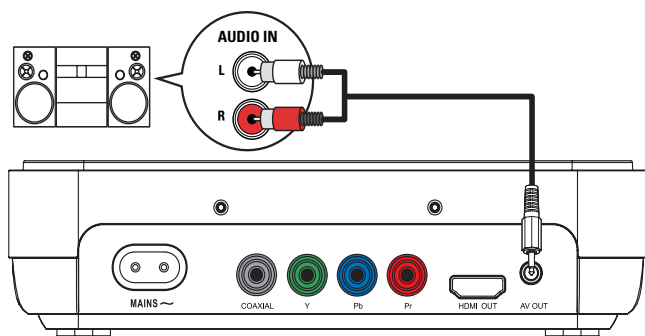
Route the audio from this product to other devices to enhance audio play.

## Connect to digital amplifier/receiver




- 1 Connect a coaxial cable (not supplied) to:
  - the **COAXIAL** jack on this product.
  - the COAXIAL/DIGITAL input jack on the device.

## Connect analogue stereo system




- 1 Connect the supplied AV cables to:
  - the **AV OUT** jack (3.5mm) on this product.
  - the audio input jacks on the device.

## Connect USB flash drive

- 1 Connect a USB flash drive to the  jack on this product.

### Note

- This product can only play/view MP3, WMA, DivX or JPEG files that are stored on a USB flash drive.
- Press the  button to access the content and play the files.

## Connect power

### Caution

- Risk of product damage! Ensure that the power supply voltage corresponds to the voltage printed on the back of the unit.
- Before connecting the AC power cord, ensure you have completed all other connections.

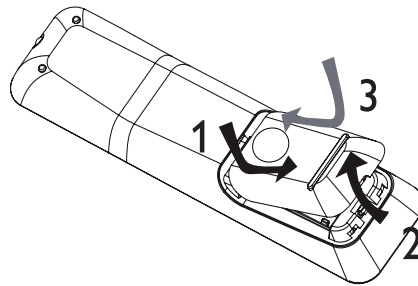
### Note

- The type plate is located on the bottom of the product.

- 1 Connect the AC power cable:
  - to this product.
  - to the wall outlet.

## 4 Get started

### Prepare the remote control




- 1 Open the battery compartment.
- 2 Insert 2 AAA batteries with correct polarity (+/-) as indicated.
- 3 Close the battery compartment.

### Caution

- Remove batteries if they are exhausted or if the remote control is not to be used for a long time.
- Do not mix batteries (old and new or carbon and alkaline, etc.).
- Batteries contain chemical substances, so they should be disposed of properly.

### Find the correct viewing channel

- 1 Press  to turn on this product.
- 2 Turn on the TV and switch to the correct video-in channel. (Refer to the TV user manual on how to select the correct channel.)

### Select menu display language

### Note

- If this product is connected to a HDMI CEC compliant TV, skip this setting. It switches automatically to the same OSD menu language as per your TV setting (if the language set on TV is supported by this product).

General Setup		
	Disc Lock	<input checked="" type="radio"/> Auto (ENG)
	OSD Language	<input type="radio"/> English
	Sleep Timer	<input type="radio"/> Français
	Auto Standby	<input type="radio"/> Deutsch
	DivX(R) VOD Code	<input type="radio"/> Italiano
		<input type="radio"/> Español
	<input type="radio"/> Português	
	<input type="radio"/> Netherlands	

- The language options may vary from different regions.

- Press **SETUP**.  
↳ **[General Setup]** menu is displayed.
- Select **[OSD Language]**, then press **▶**.
- Press **▲▼** to select a language, then press **OK**.

## Turn on progressive scan

### Note

- To use the progressive scan feature, you must connect a progressive scan TV with the component video jacks (see "Connect" > "Connect video cables" > "Option 2: Connect to the component video jacks" for details).

Video Setup		
	TV System	<input type="radio"/> On
	TV Display	<input checked="" type="radio"/> Off
	Progressive	
	Picture Setting	
	HD JPEG	
	HDMI Setup	

- Turn on the TV to the correct viewing channel for this product.
- Press **SETUP**.
- Press **▼** to select **[Video Setup]**.
- Select **[Progressive] > [On]**, then press **OK**.  
↳ A warning message is displayed.
- To proceed, select **[OK]** and press **OK**.  
↳ The progressive setup is complete.

### Note

- If a blank/distorted screen is displayed, wait for 15 seconds for the auto recovery.
- If no picture is displayed, turn off the progressive scan mode as follows:
  - 1) Press **▲** to open the disc compartment.
  - 2) Press the **Numeric button '1'**.

- Press **SETUP** to exit the menu.
- You can now turn on the progressive scan mode on the TV (see the TV user manual).

### Note

- During play, when the progressive scan mode is on for both this product and the TV, distorted picture may display. In this case, turn off the progressive scan feature on both this product and the TV.

## Use Philips EasyLink

This product supports Philips EasyLink which uses the HDMI CEC (Consumer Electronics Control) protocol. You can use one single remote control to control EasyLink-compliant devices that are connected through HDMI connectors.

### Note

- To enable the EasyLink feature, you must turn on the HDMI CEC operations on the TV and on other devices connected to TV. Refer to the TVs/devices manual for details.

## One-touch play

- Press the **STANDBY** button to turn on this product.
  - ↳ The TV (if supports one-touch play) automatically turns on and switches to the correct video-in channel.
  - ↳ If a disc is loaded in this product, disc play automatically starts.

## One-touch standby

- Press the **STANDBY** button to switch this product to standby.
  - ↳ All the connected devices (if the device supports one-touch standby) automatically switch to standby.

### Note

- Philips does not guarantee 100% interoperability with all HDMI CEC devices.



# 5 Play

## Play a disc

### ! Caution

- Do not place any objects other than discs into the disc compartment.
- Do not touch the disc optical lens inside the disc compartment.

- 1 Press **▲PUSH TO OPEN** to open the disc compartment.
- 2 Load a disc with its label facing up.
- 3 Close the disc compartment and start disc play.
  - To view disc play, turn on the TV to the correct viewing channel for this product.
  - To stop disc play, press **■**.

### ≡ Note

- Check the types of discs supported (see "Specifications" > "Play media").
- If the password entry menu is displayed, enter the password before you can play the locked or restricted disc (see "Adjust settings" > "Preferences" > **[Parental Control]**).
- If you pause or stop a disc, the screen saver appears after 5 minutes of inactivity. To deactivate the screen saver, press **DISC MENU**.
- After you pause or stop a disc and no button is pressed within 15 minutes, this product automatically switches to standby.

## Play video

### ≡ Note

- Some operations may not work with some discs. See the information accompanying the disc for details.

## Control video play

- 1 Play a title.
- 2 Use the remote control to control the play.

Button	Action
<b>▶  </b>	Start, pause or resume disc play.
<b>■</b>	Stop disc play.
<b>◀▶</b>	Skip to a previous/next title or chapter.

Button	Action
<b>◀◀▶▶</b>	Search fast-backward or fast-forward. Press repeatedly to change the search speed.
<b>▲, ▼</b>	Search slow-forward or slow-backward. Press repeatedly to change the search speed. For VCD/SVCD, slow-backward search is not available.
<b>AUDIO</b>	Select an audio language or channel available on a disc.
<b>SUBTITLE</b>	Select a subtitle language available on a disc.
<b>REPEAT</b>	Select or turn off repeat mode. Repeat options may vary from disc type.
<b>📺 ZOOM</b>	Fit the picture format to the TV screen. Press repeatedly until the image is scaled to fit to the TV screen.
<b>📺 ZOOM</b>	Toggle between screen aspect ratio and different zoom factor. To pan through the zoomed image, press the <b>Navigation buttons</b> .
<b>📺 INFO</b>	Access the play options and display the current disc status.

## Access DVD menu

- 1 Press **DISC MENU** to access the disc root menu.
- 2 Select a play option, then press **OK**.
  - In some menus, press the **Numeric buttons** to input your selection.

## Access VCD menu

The PBC (playback control) feature is available for VCD/SVCD, which can display the contents menu for you to select a play option. The PBC is on by default in the factory.

### ≡ Note

- See "Adjust settings" > **[Preferences]** > **[PBC]** on how to turn PBC on or off.

- 1 Display the contents menu via one of the following ways:
  - If PBC is on, load in a VCD/SVCD.
  - During play with PBC on, press **↶ BACK**.

- 2 Press the **Numeric buttons** to select a play option, then press **OK** to start play.
  - If PBC is turned off, it skips the menu display and starts play from the first track.

### Preview disc contents

- 1 During play, press **INFO**.
  - ↳ The disc status menu is displayed.
- 2 Select **[Preview]**, then press **▶**.
- 3 Select a preview option, then press **OK**.
  - ↳ A thumbnails preview screen is displayed.
    - To go to the next/previous preview screen, select **[Prev]** or **[Next]**, then press **OK**.
    - To start play, press **OK** at the selected thumbnail picture.

### Skip play to a specific time

- 1 During play, press **INFO**.
  - ↳ The disc status menu is displayed.
- 2 Select an option for the current elapsed playing time, then press **▶**.
  - **[TT Time]** (title time)
  - **[CH Time]** (chapter time)
  - **[Disc Time]** (disc time)
  - **[Track Time]** (track time)
- 3 Press the **Numeric buttons** to enter the time to skip to, then press **OK**.

### Display play time

- 1 During play, press **INFO**.
  - ↳ The disc status menu is displayed.
- 2 Select **[Time Disp.]**, then press **▶**.
  - ↳ The display options vary from disc type.
- 3 Select an option, then press **OK**.

### View DVD play from different angles

- 1 During play, press **INFO**.
  - ↳ The disc status menu is displayed.
- 2 Select **[Angle]**, then press **▶**.
- 3 Press the **Numeric buttons** to change the angle.
  - ↳ Play changes to the selected angle.

#### Note

- Applicable only to discs contain multi-angle scenes.

### Repeat play for a specific section

- 1 During play, press **REPEAT A-B** at the start point.
- 2 Press **REPEAT A-B** again to set the end point.
  - ↳ Repeat play starts.
- 3 To cancel repeat play, press **REPEAT A-B** again.

#### Note

- The marked section for repeat play is only possible within a track/title.

### Play DivX® video

DivX video is a digital media format that retains high quality despite a high rate of compression. You can enjoy DivX video on this DivX certified product.

- 1 Insert a disc or USB that contains the DivX videos.
  - For USB, press **↔**.
  - ↳ A contents menu is displayed.
- 2 Select a title to play, then press **OK**.
  - You may select subtitle/audio language.

#### Note

- You can only play DivX videos that were rented or purchased with the DivX registration code of this player (see "Adjust Settings" - **[General Setup]** > **[DivX® VOD Code]**).

### Play music

#### Control a track

- 1 Play a track.
- 2 Use the remote control to control the play.

Button	Action
<b>▶  </b>	Start, pause or resume disc play.
<b>■</b>	Stop disc play.
<b>◀▶</b>	Skip to a previous/next track.
<b>1 2 3</b> <b>4 5 6</b> <b>7 8 9</b> <b>0</b>	Select an item to play.
<b>◀◀▶▶</b>	Searches fast-backward or fast-forward. Press repeatedly to change the search speed.

Button	Action
REPEAT	Select or turn off repeat mode. Repeat options may vary from disc type.

## Play MP3/WMA music

MP3/WMA is a type of highly compressed audio file (files with .mp3, .wma extensions).

- 1 Insert a disc or USB that contains the MP3/WMA music.
  - For USB, press .
  - ↳ A contents menu is displayed.
- 2 If play does not automatically start, select a track to play.
  - To select another track/folder, press ▲▼, then press **OK**.

### Note

- For disc recorded in multiple sessions, only the first session is played.
- For a WMA file that is protected by Digital Rights Management (DRM), it cannot be played on this product.
- This product does not support MP3PRO audio format.
- For any special character that is present in the MP3 track name (ID3) or album name, it might not be displayed correctly on the screen because these characters are not supported.
- Folders/files that exceed the supported limit of this product cannot be displayed or played.

## Play photo

### Play photo as slideshow

You can play JPEG photos (files with .jpeg or .jpg extensions).

- 1 Insert a disc or USB that contains the JPEG photos.
  - ↳ Slideshow begins (for Kodak disc), or a contents menu (for JPEG disc) is displayed.
- 2 Select a photo folder, then press **OK** to start slideshow.
  - To preview the photos in thumbnail, press **INFO**.
  - To select a photo, press the **Navigation buttons**.
  - To enlarge the selected photo and start slideshow, press **OK**.
  - To return to the menu, press **BACK**.

### Note

- It may require longer time to display the disc content on the TV due to the large number of songs/photos compiled onto one disc/USB device.
- If the JPEG photo is not recorded with an 'exif' type file, the actual thumbnail picture cannot be shown on the screen. It is replaced by a 'blue mountain' thumbnail picture.
- This player can only display digital camera pictures according to the JPEG-EXIF format, typically used by almost all digital cameras. It cannot display Motion JPEG, or pictures in formats other than JPEG, or sound clips associated with pictures.
- Folders/files that exceed the supported limit of this player cannot be displayed or played.

## Control photo play

- 1 Play a photo slideshow.
- 2 Use the remote control to control the play.

Button	Action
	Rotate a photo anti-clockwise/clockwise.
	Rotate a photo horizontally/vertically.
<b>ZOOM</b>	Zoom in or out of a photo. Play pauses in zoom mode.
	Stop a play.

## Play musical slideshow

Create a musical slideshow to play MP3/WMA music files and JPEG photo files simultaneously.




### Note

- To create a musical slideshow, you must store the MP3/WMA and JPEG files on the same disc/USB flash drive.

- 1 Play MP3/WMA music.
- 2 Press **BACK** to return to the main menu.
- 3 Navigate to the photo folder/album and press **OK** to start slideshow play.
  - ↳ Slideshow begins and continues till the end of the photo folder or album.
  - ↳ Audio continues to play until the end of the disc.
    - To stop slideshow play, press **■**.
    - To stop music play, press **■** again.

## Play from USB flash drive

This product plays/views MP3, WMA, DivX or JPEG files that are stored on a USB flash drive.






- 1 Connect a USB flash drive to the  jack on this product.
- 2 Press the  button.  
↳ A contents menu is displayed.
- 3 If play does not start automatically, select a file to play.
  - For more information, see the chapters "Play music", "Play photo" and "Play video" for details.
- 4 To stop play, press **■**.
  - To switch to the disc mode, press the  button.

## 6 Adjust settings

### Note

- If the setup option is grayed out, it means the setting cannot be changed at the current state.

### General setup

General Setup	
	Disc Lock
	OSD Language
	Sleep Timer
	Auto Standby
	DivX(R) VOD Code

- 1 Press **SETUP**.  
↳ **[General Setup]** menu is displayed.
- 2 Press **▶**.
- 3 Select an option, then press **OK**.
- 4 Select a setting, then press **OK**.
  - To return to the previous menu, press **◀**.
  - To exit the menu, press **SETUP**.

#### [Disc Lock]

Set play restriction for a disc which is loaded in the disc compartment (maximum 20 discs can be locked).

- **[Lock]** - Restrict access to the current disc. The next time you want to play this disc or unlock it, you need to enter the password.
- **[Unlock]** - Play all discs.

### Tip

- You can set or change the password, go to **[Preferences]** > **[Password]**.

#### [OSD Language]

Select an on-screen menu language.

#### [Sleep Timer]

Switch automatically to standby at the preset time.

- **[Off]** - Disable sleep mode.
- **[15 mins], [30 mins], [45 mins], [60 mins]** - Select the count down time for this product to switch to standby.

#### [Auto standby]

Turn on or off automatically standby.

- **[On]** - Switch to standby 15 minutes of inactivity (for example, in pause or stop mode).
- **[Off]** - Disable the auto standby mode.









#### [DivX(R) VOD Code]

Display the DivX® registration code.

### Tip

- Use this product's DivX registration code when you rent or purchase video from [www.divx.com/vod](http://www.divx.com/vod). The DivX videos rented or purchased through the DivX® VOD (Video On Demand) service can be played only on the device to which it is registered.

### Audio setup

Audio Setup	
	Analogue Output
	Digital Audio
	HDMI Audio
	Audio Sync
	Volume
	Sound Mode
	CD Upsampling
	Night Mode

- 1 Press **SETUP**.  
↳ **[General Setup]** menu is displayed.
- 2 Press **▼** to select **[Audio Setup]**, then press **▶**.
- 3 Select an option, then press **OK**.

- 4 Select a setting, then press **OK**.
  - To return to the previous menu, press **◀**.
  - To exit the menu, press **SETUP**.

### [Analogue Output]

Select an analogue setting based on the audio device that is connected through the analogue audio jack.

- **[Stereo]** - For stereo output.
- **[LT/RT]** - For surround sound output through two speakers.

### [Digital Audio]

Select a digital setting based on the digital amplifier/receiver that is connected through the digital jack (coaxial/digital).

- **[Digital Output]** - Select a type of digital output.
  - **[Off]** - Disable digital output.
  - **[All]** - Support multi-channel audio formats.
  - **[PCM Only]** - Downmix to two-channel audio format.
- **[LPCM Output]** - Select the LPCM (Linear Pulse Code Modulation) output sampling rate.
  - **[48kHz]** - For discs recorded at sampling rate of 48 kHz.
  - **[96kHz]** - For discs recorded at sampling rate of 96 kHz.

#### Note

- **[LPCM Output]** setting is only available if the **[Digital Output]** is set to **[PCM Only]**.
- The higher the sampling rate, the better the sound quality.

### [HDMI Audio]

Select the HDMI audio setting when you connect this product and the TV with an HDMI cable.

- **[On]** - Allow audio output through the TV and the speaker system. If the audio format on the disc is not supported, it will be downmixed to two-channel sound (linear-PCM).
- **[Off]** - Disable audio output from the TV. The sound is only output through the speaker system.

### [Audio Sync]

Set the delay time for audio output when you play a video disc.

1. Press **OK**.
2. Press **◀▶** to set the volume.
3. Press **OK** to confirm and exit.

### [Volume]

Set the default volume level when you play a disc.

1. Press **OK**.
2. Press **◀▶** to set the volume.
3. Press **OK** to confirm and exit.

### [Sound Mode]

Select a preset sound effect to enhance the audio output.

- **[3D]** - Select a virtual surround sound effect that is produced from the left and right audio channels.
- **[Movie Mode]** - Select a sound effect for movies.
- **[Music Mode]** - Select a sound effect for music.

### [CD Upsampling]

For better sound quality in stereo mode, convert the music CD to a higher sampling rate.

- **[Off]** - Turn off CD-upsampling.
- **[88.2kHz (X2)]** - Convert to twice the original sampling rate.
- **[176.4kHz(X4)]** - Convert to four times the original sampling rate.

### [Night Mode]





Make loud sound level softer and soft sound level louder so that you can watch the DVD movies at a low volume, without disturbing others.

- **[On]** - Enjoy quiet viewing at night.
- **[Off]** - Enjoy surround sound with a full dynamic range.

#### Note

- Applicable only to Dolby Digital encoded DVD.

## Video setup

Video Setup	
	TV System
	TV Display
	Progressive
	Picture Setting
	HD JPEG
	HDMI Setup

- 1 Press **SETUP**.  
↳ **[General Setup]** menu is displayed.

- 2 Press ▼ to select **[Video Setup]**, then press ►.
- 3 Select an option, then press **OK**.
- 4 Select a setting, then press **OK**.
  - To return to the previous menu, press ◀.
  - To exit the menu, press **SETUP**.

### [TV System]

Change this setting if the video does not appear correctly. By default, this setting matches the most common setting for TVs in your country.

- **[PAL]** - For PAL-system TV.
- **[Multi]** - For TV that is compatible with both PAL and NTSC.
- **[NTSC]** - For NTSC-system TV.

### [TV Display]

Select a display format:



4:3 Pan Scan (PS)

4:3 Letter Box (LB)

16:9 (Wide Screen)

- **[4:3 Pan Scan]** - For 4:3 screen TV: full-height display with the trimmed sides.
- **[4:3 Letter Box]** - For 4:3 screen TV: wide-screen display with black bars on the top and bottom of the screen.
- **[16:9]** - For wide-screen TV: display ratio 16:9.

### [Progressive]

If a progressive scan TV is connected to this product, turn on the progressive scan mode.

- **[On]** - Turn on progressive scan.
- **[Off]** - Turn off progressive scan mode.

### Note

- For more detailed description, see "Get started" > "Turn on progressive scan".

### [Picture Setting]

Select a predefined set of picture color settings or customize the personal setting.

- **[Standard]** - Original color setting.
- **[Bright]** - Vibrant color setting.
- **[Soft]** - Warm color setting.
- **[Personal]** - Customize the color setting. Set the level of brightness, contrast, tint and color saturation, then press **OK**.

### [HD JPEG]

Enjoy untouched and uncompressed JPEG pictures at its original resolution when you connect this product and the TV with an HDMI cable.

- **[On]** - Display high definition picture.
- **[Off]** - Display standard picture.

### Note

- This product supports the resolution display of 720p and above.

### [HDMI Setup]

When you connect this product and the TV with an HDMI cable, select the best HDMI setup that the TV can support.

- **[Resolution]** - Select a video resolution that is compatible with the TV display capability.

Option	Description
<b>[Auto]</b>	It detect and select the best supported video resolution automatically.
<b>[480i], [480p], [576i], [576p], [720p], [1080i], [1080p]</b>	Select a video resolution that best supported by the TV. See the TVs manual for details.

### Note

- If the setting is not compatible with the TV, a blank screen appears. Wait for 15 seconds for auto recover or switch to its default mode as follows:
  - 1) Press ▲ to open the disc compartment.
  - 2) Press **numeric button '1'**.

- **[Wide Screen Format]** – define the wide screen format for disc play.

Option	Description
<b>[Superwide]</b>	Center position of the screen is stretched less than the side. This setting is only applicable if the video resolution is set to 720p or 1080i/p.
<b>[4:3 Pillar Box]</b>	No stretching of the picture. Black bars are displayed on both sides of the screen. This setting is only applicable if the video resolution is set to 720p or 1080i/p.
<b>[Off]</b>	Picture will be displayed according to the format of the disc.

## Note

- This setting is only available if you have set the **[TV Display]** setting to **[16:9]**.

- **[EasyLink Setup]** – if this DVD player is connected to HDMI CEC compliant TV/devices, all connected devices can respond to the following commands simultaneously:

Option	Description
<b>[EasyLink]</b>	Turn off or turn on all EasyLink features. <ul style="list-style-type: none"><li>• To disable this feature, select <b>[Off]</b>.</li></ul>
<b>[One Touch Play]</b>	When you press the <b>STANDBY</b> button, it turns on the TV and this DVD player, then video disc play starts (if a video disc is found in the disc compartment). <ul style="list-style-type: none"><li>• To disable this feature, select <b>[Off]</b>.</li></ul>
<b>[One Touch Standby]</b>	When you press and hold the <b>STANDBY</b> button, all connected HDMI CEC devices switch to standby mode simultaneously. <ul style="list-style-type: none"><li>• To disable this feature, select <b>[Off]</b>.</li></ul>









## Note

- Philips does not guarantee 100% interoperability with all HDMI CEC compliant devices.
- You must turn on the HDMI CEC operations on the TV/devices before you can enjoy the EasyLink controls. See the TVs/devices manual for details.

## Preferences

### Note

- Stop disc play before you can access to **[Preferences]**.

Preferences	
	Audio
	Subtitle
	Disc Menu
	Parental Control
	PBC
	Mp3 / Jpeg Nav
	Password
	DivX Subtitle

- 1 Press **SETUP**.  
↳ **[General Setup]** menu is displayed.
- 2 Press **▼** to select **[Preferences]**, then press **▶**.
- 3 Select an option, then press **OK**.
- 4 Select a setting, then press **OK**.
  - To return to the previous menu, press **◀**.
  - To exit the menu, press **SETUP**.

### [Audio]

Select an audio language for disc play.

### [Subtitle]

Select a subtitle language for disc play.

### [Disc Menu]

Select a disc menu language.

### Note

- If the language you have set is not available on the disc, the disc uses its own default language.
- For some DVDs, the subtitle/audio language can only change from the disc menu.
- To select the languages that are not listed in the menu, select **[Others]**. Then check the Language Code list at the back of this user manual and enter the respective language code.

### [Parental control]

Restrict access to discs that are unsuitable for children. These types of discs must be recorded with ratings.

1. Press **OK**.
2. Select a rating level, then press **OK**.
3. Press the **numeric buttons** to enter the password.

 Note

- Rated DVDs above the level you set in **[Parental control]** require a password to be played.
- The ratings are country-dependent. To allow all discs to play, select '8'.
- Some discs have ratings printed on them but are not recorded with ratings. This function has no effect on such discs.

**[PBC]**

Turn on or off the content menu of VCDs/SVCDs with PBC (playback control) feature.

- **[On]** - Display the index menu when you load a disc for play.
- **[Off]** - Skip the menu and start play from the first title.

**[MP3/Jpeg Nav]**

Select to display the folders or display all the files.

- **[View Files]** - Display all the files.
- **[View Folders]** - Display the folders of MP3/WMA files.

**[Password]**

Set or change the password for locked discs and play restricted DVDs.

1. Press the **Numeric buttons** to enter '136900' or the last set password at **[Old Password]** field.
2. Enter the new password at **[New Password]** field.
3. Enter the new password again at **[Confirm PWD]** field.
4. Press **OK** to exit the menu.

 Note

- If you forget the password, enter '136900' before you set a new password.

**[DivX Subtitle]**

Select a character set that supports the DivX subtitle.

- **[Standard]** - English, Irish, Danish, Estonian, Finnish, French, German, Italian, Portuguese, Luxembourgish, Norwegian (Bokmål and Nynorsk), Spanish, Swedish, Turkish
- **[中文(简体)]** -Simplified Chinese

 Note

- Ensure that the subtitle file has the exact same file name as the movie file. If for example the file name of the movie is 'Movie.avi', then you need to name the text file 'Movie.sub' or 'Movie.srt'.

**[Version Info]**

Display the software version of this product.

 Tip

- This information is required when you want to find out if a newest software version is available at the Philips website that you may download and install on this product.

**[Default]**

Reset all the settings of this product to factory default, except for **[Disc Lock]**, **[Parental control]** and **[Password]** settings.

## 7 Additional information

### Update software

For software updates, check the current software version of this product to compare with the latest software (if available) at the Philips website.

 Caution

- Power supply must not be interrupted during software upgrade.

- 1 Press **SETUP**.
- 2 Select **[Preferences]** > **[Version Info]**, then press **OK**.
  - Stop disc play before you can access to **[Preferences]**.
- 3 Write down the software version and the model name, then press **SETUP** to exit the menu.
- 4 Visit [www.philips.com/support](http://www.philips.com/support) to check for the latest software version.
- 5 Refer to the upgrade instructions on the website for more information.

 Note

- Disconnect the power cord for a few seconds and connect again to turn on the product.



## Care



### Caution

- Never use solvents such as benzene, thinner, cleaners available commercially, or anti-static sprays intended for discs.

### Clean discs

Wipe the disc with a micro fibre cleaning cloth from the centre to the edge in a straight line movement.

## Specifications



### Note

- Specification and design are subject to change without notice

### Accessories supplied

- Remote control and batteries
- Power cord
- Audio/Video cables
- User manual

### Play media

- DVD-Video, Video CD/SVCD, Audio CD, CD-R/CD-RW, DVD+R/+RW, DVD-R/-RW, DivX-CD, Picture CD, MP3-CD, WMA-CD, USB flash drive

### USB

- Compatibility: Hi-Speed USB (2.0)
- Class support: UMS (USB Mass Storage Class)

### TV standard

- Number of lines:
  - 625 (PAL/50Hz); 525 (NTSC/60Hz)
  - Play: Multi-standard (PAL/NTSC)

### Video performance

- Video DAC: 12 bits, 108 MHz
- Composite video output: 1 V<sub>pp</sub> ~ 75 ohm
- Component video output: 0.7 V<sub>pp</sub> ~ 75 ohm

### Video format

- Digital compression:
  - DVD/SVCD/VCD/DivX
- Horizontal resolution:
  - DVD: 720 pixels (50 Hz);  
720 pixels (60 Hz)
  - VCD: 352 pixels (50 Hz);  
352 pixels (60 Hz)
- Vertical resolution:
  - DVD: 576 pixels (50 Hz);  
480 pixels (60 Hz)
  - VCD: 288 lines (50 Hz); 240 lines (60 Hz)

### Audio performance

- DA converter: 24 bits, 192 kHz
- Frequency response:
  - DVD: 4 Hz - 22 kHz (48 kHz);  
4 Hz - 44 kHz (96 kHz)
  - SVCD: 4 Hz - 20 kHz (44.1 kHz);  
4 Hz - 22 kHz (48 kHz)
  - CD/VCD: 4 Hz - 20 kHz (44.1 kHz)
- Signal-Noise (1 kHz): > 90 dB (A-weighted)
- Dynamic range (1 kHz): > 80 dB (A-weighted)
- Crosstalk (1 kHz): > 70 dB
- Distortion/noise (1 kHz): > 65 dB
- MP3: MPEG L3

### Audio format

- Digital:
  - MPEG/AC-3: Compressed digital (16, 20, 24 bits, fs 44.1, 48, 96 kHz)
  - MP3: 96, 112, 128, 256 kbps & variable bit rate, fs 32, 44.1, 48 kHz
- Analog sound stereo
- Dolby surround compatible downmix from Dolby Digital multi-channel sound

### Connections

- Y Pb Pr output: Cinch 3x
- Video output: Cinch (yellow)
- Audio output (L+R): Cinch (white/red)
- Digital output:
  - 1 coaxial: IEC60958 for CDDA/LPCM;  
IEC61937 for MPEG 1/2, Dolby Digital
- HDMI output

### Main unit

- Dimensions (w x h x d): 179 x 49 x 179 (mm)
- Net Weight: approximately 0.5 kg

### Power

- Power supply rating: 110V - 240V; 50/60Hz
- Power consumption: <10 W
- Power consumption in standby mode: <1 W

### Laser specification

- Type: Semiconductor laser InGaAlP (DVD), AlGaAs (CD)
- Wave length: 658 nm (DVD), 790 nm (CD)
- Output Power: 7.0 mW (DVD), 10.0 mW (VCD/CD)
- Beam divergence: 60 degrees

# 8 Troubleshooting



## Warning

- Risk of electric shock. Never remove the casing of the product.

To keep the warranty valid, never try to repair the product yourself.

If you have problems using this product, check the following points before you request service. If you still have a problem, register your product and get support at [www.philips.com/welcome](http://www.philips.com/welcome).

If you contact Philips, you will be asked for the model and serial number of your product. The model number and serial number are on the back of your product. Write the numbers here:

Model No. \_\_\_\_\_

Serial No. \_\_\_\_\_

## Main unit

### The buttons on this unit do not work.

- Disconnect this product from the power outlet for a few minutes, then connect again.

### No reaction to the remote control.

- Connect this product to the power outlet.
- Point the remote control at the IR sensor located on the front panel of this product.
- Insert the batteries correctly.
- Insert new batteries in the remote control.

## Picture

### No picture.

- See the TV's user manual on how to select the correct input on the TV. Change the TV channel until you see the Philips screen.
- If you have turned on the progressive scan setting or change the TV system setting, switch back to default mode: 1) Press **▲** to open the disc compartment. 2) Press the **Numeric button '1'** (for progressive scan) or the **Numeric button '3'** (for TV system).

### No picture on HDMI connection.

- If this product is connected to an unauthorized display device with an HDMI cable, the audio/video signal may not be output.
- Check if the HDMI cable is faulty. Replace a new HDMI cable.
- If this happens when you change the HDMI video resolution, you have to switch to its default mode: 1) Press **▲PUSH TO OPEN** to open the disc compartment. 2) Press the **numeric button "1"**.

## Sound

### No audio output from the TV.

- Ensure that the audio cables are connected to the audio input of the TV.
- Assign the audio input of the TV to the corresponding video input. See the TV user manual for details.

### No audio output from the loudspeakers of the audio device (stereo system/amplifier/receiver).

- Ensure that the audio cables are connected to the audio input of the audio device.
- Turn on the audio device to its correct audio input source.

### No sound on HDMI connection.

- You may not hear any sound from the HDMI output if the connected device is non-HDCP compliant or only DVI-compatible.
- Ensure that the **[HDMI Audio]** setting is turned on.

### No sound during DivX video playback

- The audio codec may not be supported by this product.

## Play

### DivX video files cannot be played.

- Ensure that the DivX video file is complete.
- Ensure that the file name extension is correct.

### The aspect ratio of the screen is not aligned with the TV display setting.

- The aspect ratio is fixed on the disc.

### DivX subtitles are not displayed correctly.

- Ensure that the subtitle file name is the same as the movie file name.
- Select the correct character set.
  - Press **SETUP**.
  - Select **[Preferences] > [DivX Subtitle]** in the menu.
  - Select the character set that supports the subtitle.

### The contents of the USB flash drive cannot be read.

- The USB flash drive format is not compatible with the digital receiver.
- The drive is formatted with a file system which is not supported by this product (e.g. NTFS).

## 9 Glossary

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### A

#### Aspect ratio

Aspect ratio refers to the length to height ratio of TV screens. The ratio of a standard TV is 4:3, while the ratio of a high-definition or wide TV is 16:9. The letter box allows you to enjoy a picture with a wider perspective on a standard 4:3 screen.

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### D

#### DivX Video-On-Demand

This DivX Certified<sup>®</sup> device must be registered in order to play DivX Video-on-Demand (VOD) content. To generate the registration code, locate the DivX VOD section in your device setup menu. Go to [vod.divx.com](http://vod.divx.com) with this code to complete the registration process and learn more about DivX video.

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### J

#### JPEG

A very common digital still picture format. A still-picture data compression system proposed by the Joint Photographic Expert Group, which features small decrease in image quality in spite of its high compression ratio. Files are recognized by their file extension '.jpg' or '.jpeg.'

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### M

#### MP3

A file format with a sound data compression system. MP3 is the abbreviation of Motion Picture Experts Group 1 (or MPEG-1) Audio Layer 3. With the MP3 format, one CD-R or CD-RW can contain about 10 times more data than a regular CD.

---

### P

#### PBC

Playback Control. A system where you navigate through a Video CD/Super VCD with on-screen menus that are recorded onto the disc. You can enjoy interactive playback and search.

#### Progressive scan

The progressive scan displays twice the number of frames per second than in an ordinary TV system. It offers higher picture resolution and quality.

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### W

#### WMA

Windows Media<sup>™</sup> Audio. Refers to an audio compression technology developed by Microsoft Corporation. WMA data can be encoded with Windows Media player version 9 or Windows Media player for Windows XP. Files are recognized by their file extension '.wma.'

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# Language Code

Abkhazian	6566	Inupiaq	7375	Pushto	8083
Afar	6565	Irish	7165	Russian	8285
Afrikaans	6570	Íslenska	7383	Quechua	8185
Amharic	6577	Italiano	7384	Raeto-Romance	8277
Arabic	6582	Ivrit	7269	Romanian	8279
Armenian	7289	Japanese	7465	Rundi	8278
Assamese	6583	Javanese	7486	Samoan	8377
Avestan	6569	Kalaallisut	7576	Sango	8371
Aymara	6589	Kannada	7578	Sanskrit	8365
Azerhijani	6590	Kashmiri	7583	Sardinian	8367
Bahasa Melayu	7783	Kazakh	7575	Serbian	8382
Bashkir	6665	Kernewek	7587	Shona	8378
Belarusian	6669	Khmer	7577	Shqip	8381
Bengali	6678	Kinyarwanda	8287	Sindhi	8368
Bihari	6672	Kirghiz	7589	Sinhalese	8373
Bislama	6673	Komi	7586	Slovensky	8373
Bokmål, Norwegian	7866	Korean	7579	Slovenian	8376
Bosanski	6683	Kuanyama; Kwanyama	7574	Somali	8379
Brezhoneg	6682	Kurdish	7585	Sotho; Southern	8384
Bulgarian	6671	Lao	7679	South Ndebele	7882
Burmese	7789	Latina	7665	Sundanese	8385
Castellano, Español	6983	Latvian	7686	Suomi	7073
Catalán	6765	Letzeburgesch;	7666	Swahili	8387
Chamorro	6772	Limburgan; Limburger	7673	Swati	8383
Chechen	6769	Lingala	7678	Svenska	8386
Chewa; Chichewa; Nyanja	7889	Lithuanian	7684	Tagalog	8476
中文	9072	Luxembourgish;	7666	Tahitian	8489
Chuang; Zhuang	9065	Macedonian	7775	Tajik	8471
Church Slavic; Slavonic	6785	Malagasy	7771	Tamil	8465
Chuvash	6786	Magyar	7285	Tatar	8484
Corsican	6779	Malayalam	7776	Telugu	8469
Česky	6783	Maltese	7784	Thai	8472
Dansk	6865	Manx	7186	Tibetan	6679
Deutsch	6869	Maori	7773	Tigrinya	8473
Dzongkha	6890	Marathi	7782	Tonga (Tonga Islands)	8479
English	6978	Marshallese	7772	Tsonga	8483
Esperanto	6979	Moldavian	7779	Tswana	8478
Estonian	6984	Mongolian	7778	Türkçe	8482
Euskara	6985	Nauru	7865	Turkmen	8475
Ελληνικά	6976	Navaho; Navajo	7886	Twi	8487
Faroese	7079	Ndebele, North	7868	Uighur	8571
Français	7082	Ndebele, South	7882	Ukrainian	8575
Frysk	7089	Ndonga	7871	Urdu	8582
Fijian	7074	Nederlands	7876	Uzbek	8590
Gaelic; Scottish Gaelic	7168	Nepali	7869	Vietnamese	8673
Gallegan	7176	Norsk	7879	Volapuk	8679
Georgian	7565	Northern Sami	8369	Walloon	8765
Gikuyu; Kikuyu	7573	North Ndebele	7868	Welsh	6789
Guarani	7178	Norwegian Nynorsk;	7878	Wolof	8779
Gujarati	7185	Occitan; Provençal	7967	Xhosa	8872
Hausa	7265	Old Bulgarian; Old Slavonic	6785	Yiddish	8973
Herero	7290	Oriya	7982	Yoruba	8979
Hindi	7273	Oromo	7977	Zulu	9085
Hiri Motu	7279	Ossetian; Ossetic	7983		
Hrwatski	6779	Pali	8073		
Ido	7379	Panjabi	8065		
Interlingua (International)	7365	Persian	7065		
Interlingue	7365	Polski	8076		
Inuktitut	7385	Português	8084		

