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DVP5120K



| | | |
|-------|--------------------------|----|
| EN | DVD Video Player | 6 |
| ES_LA | Reproductor de video DVD | 42 |
| PT_BR | Aparelho de vídeo DVD | 78 |

PHILIPS

Es necesario que lea cuidadosamente su instructivo de manejo.

| | | |
|--|---|---|
|  | PRECAUCIÓN - ADVERTENCIA |  |
| | No abrir, riesgo de choque eléctrico | |
| | ATENCIÓN | |
| | Verifique que el voltaje de alimentación sea el requerido para su aparato | |
| Para evitar el riesgo de choque eléctrico, no quite la tapa. En caso de requerir servicio, diríjase al personal calificado. | | |

Descripción: **Reproductor de DVD**
 Modelo: **DVP5120K**
 Alimentación: **110 V–240 V; ~50–60 Hz**
 Consumo: **<10 W**
 Importador: **Philips Mexicana, S.A. de C.V.**
 Domicilio: **Av. La Palma No.6,
 Col. San Fernando, La Herradura
 Huixquilucan, Edo de Mexico
 C.P. 52784, Mexico**

Localidad y Tel.: **Tel. 52 69 90 00**

Exportador: **Philips Electronics HK, Ltd.**
 País de Origen: **China**

Nº de Serie: _____

**LEA CUIDADOSAMENTE ESTE INSTRUCTIVO
 ANTES DE USAR SU APARATO.**

AVISO IMPORTANTE

Philips Mexicana, S.A. de C.V. no se hace responsable por daños o desperfectos causados por:

- Maltrato, descuido o mal uso, presencia de insectos o roedores (cucarachas, ratones etc.).
- Cuando el aparato no haya sido operado de acuerdo con el instructivo del uso, fuera de los valores nominales y tolerancias de las tensiones (voltaje), frecuencia (ciclaje) de alimentación eléctrica y las características que deben reunir las instalaciones auxiliares.
- Por fenómenos naturales tales como: temblores, inundaciones, incendios, descargas eléctricas, rayos etc. o delitos causados por terceros (choques asaltos, riñas, etc.).

| LASER | |
|-----------------|---|
| 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 |

Due to the inconsistency of disc formats provided by various disc manufacturers, your DVD system/ player/recorder may require a playability enhancement or upgrade. As DVD technology advances, these enhancement will become common and will be easy to complete. Go to www.philips.com/support for software upgrade.

'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.'

CAUTION

Use of controls or adjustments or performance of procedures other than herein may result in hazardous radiation exposure or other unsafe operation.

Where the MAINS plug or an appliance coupler is used as the disconnect device, the disconnect device shall remain readily operable.

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Registre o produto e obtenha suporte em www.philips.com/welcome



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ATTENTION!

For Customer Use:

Read carefully the information located at the bottom or rear of your DVD Video player and enter below the Serial No. Retain this information for future reference.

Model No. DVP5120K

Serial No. _____

“Evite o uso prolongado do aparelho com volume superior a 85 decibéis pois isto poderá prejudicar a sua audição.”

| Nível de Decibéis | Exemplos |
|--|--|
| 30 | Biblioteca silenciosa, sussurros leves |
| 40 | Sala de estar, refrigerador, quarto longe do trânsito |
| 50 | Trânsito leve, conversação normal, escritório silencioso |
| 60 | Ar condicionado a uma distância de 6 m, máquina de costura |
| 70 | Aspirador de pó, secador de cabelo, restaurante ruidoso |
| 80 | Tráfego médio de cidade, coletor de lixo, alarme de despertador a uma distância de 60 cm |
| OS RUIDOS ABAIXO PODEM SER PERIGOSOS EM CASO DE EXPOSIÇÃO CONSTANTE | |
| 90 | Metrô, motocicleta, tráfego de caminhão, cortador de grama |
| 100 | Caminhão de lixo, serra elétrica, furadeira pneumática |
| 120 | Show de banda de rock em frente às caixas acústicas, trovão |
| 140 | Tiro de arma de fogo, avião a jato |
| 180 | Lançamento de foguete |

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Español

B. Português

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General Information

WARNING!

This unit does not contain any user-serviceable parts. Please leave all maintenance work to qualified personnel.

Setup precautions

Finding a suitable location

- Place this unit on a flat, hard and stable surface. Never place the unit on a carpet.
- Never place this unit on top of other equipment that might heat it up (e.g., receiver or amplifier).
- Never put anything under this unit (e.g., CDs, magazines).
- Install this unit near the AC outlet where the AC power plug can be easily reached.

Space for ventilation

- Place this unit in a location with adequate ventilation to prevent internal heat build up. Allow at least 10 cm (4") clearance from the rear and the top of this unit and 5 cm (2") from the left and right to prevent overheating.

Avoid high temperature, moisture, water and dust

- This unit must not be exposed to dripping or splashing.
- Never place any object or items that can damage this unit (e.g., liquid filled objects, lighted candles).

Accessories supplied

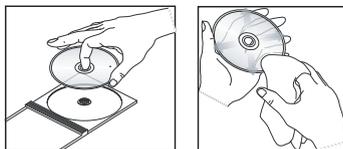
- 1 remote control with batteries
- 1 audio/video cables (yellow/white/red)
- 1 power cable
- 2 microphones

Cleaning discs

CAUTION!

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

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

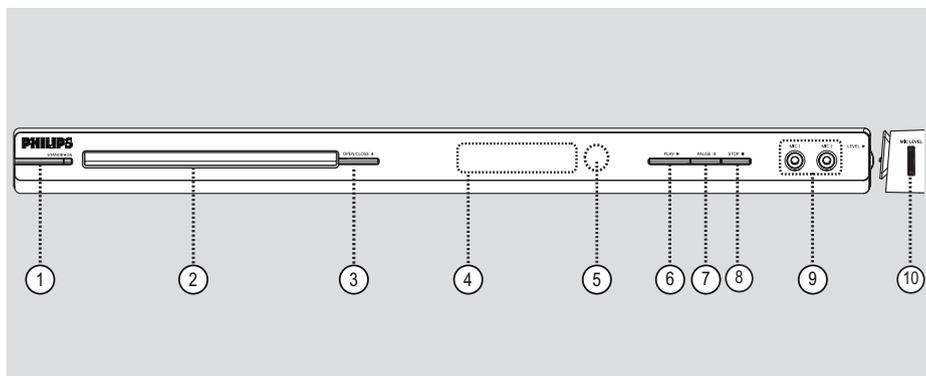


About recycling

This user manual is printed on non-polluting paper. This unit contains a large number of materials that can be recycled. If you are disposing an old equipment, please take it to a recycling center. Please observe the local regulations regarding disposal of packaging materials, exhausted batteries and old equipment.

Your DVD Player

English



① **STANDBY-ON**

- Turns on this unit or turns off to normal standby mode.

② **Disc tray**

③ **OPEN/CLOSE ▲**

- Opens/closes the disc tray.

④ **Display panel**

- Shows information about the current status of the unit.

⑤ **IR Sensor**

- Point the remote control towards this sensor.

⑥ **PLAY ►**

- Starts playback.

⑦ **PAUSE II**

- Pauses playback.

⑧ **STOP ■**

- Stops playback.

⑨ **MIC1 or MIC2**

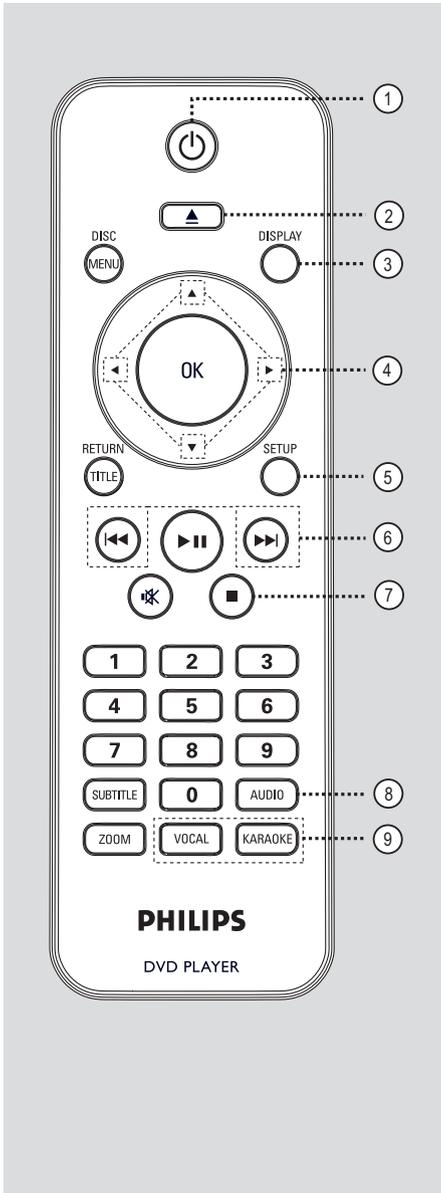
- For microphone connection.

⑩ **MIC LEVEL**

- Microphone volume control.

Remote Control

English



- ① **⏻ (Standby-On)**
 - Turns on this unit or turns off to normal standby mode.
 - ② **⏪ (Open/Close)**
 - Opens/closes the disc tray.
 - ③ **DISPLAY**
 - Displays the current status or disc information.
 - ④ **⬆️⬇️⬆️⬆️⬆️⬆️⬆️⬆️**
 - **⬆️⬇️⬆️**: Cursor buttons for moving up/down or press up/down for a slow backward or forward search.
 - **⬆️⬆️⬆️⬆️**: Cursor buttons for moving to the left/right or press left/right for fast backward or forward search.
 - ⑤ **SETUP**
 - Enters or exits the disc setup menu.
 - ⑥ **⏮️ / ⏭️ (Previous/Next)**
 - Skips to the previous or next title/ chapter/track.
 - Press and hold this button for fast backward or forward search.
 - ⑦ **■ (Stop)**
 - Stops playback.
 - ⑧ **AUDIO**
 - Selects an audio language or channel.
 - ⑨ **VOCAL**
 - Choose audio channel or karaoke method.
- KARAOKE**
- Access karaoke menu.

Remote Control (continued)

⑩ DISC MENU

- Enters or exits disc contents menu.
- For VCD 2.0 and SVCD, turns on or off the playback control mode.

⑪ OK

- Confirms an entry or selection.

⑫ RETURN/TITLE

- Returns to the previous menu or shows title menu.

⑬ ►|| (Play/Pause)

- Starts or pauses playback.

⑭ (Mute)

- Mutes or restores the volume.

⑮ Numeric keypad 0-9

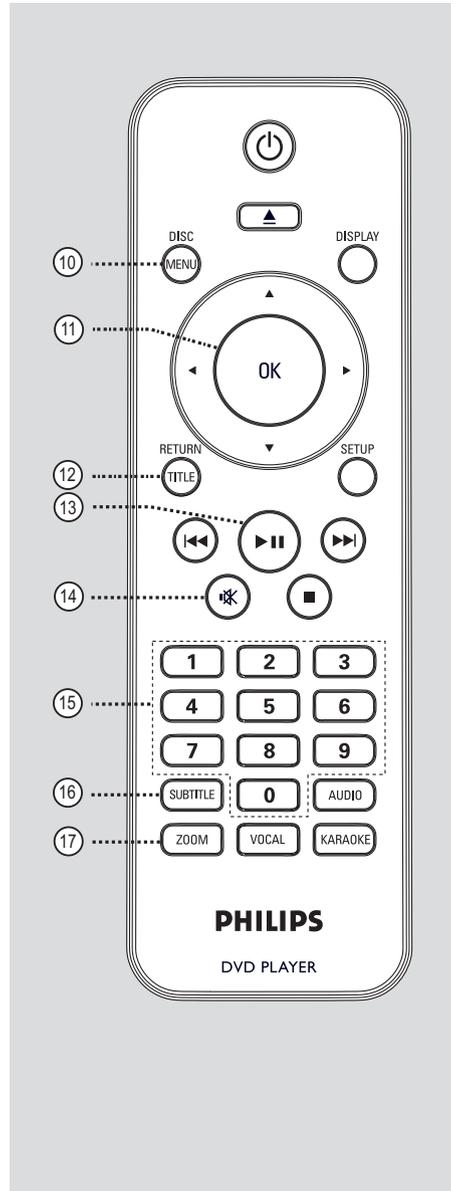
- Selects a track or title number of the disc.

⑯ SUBTITLE

- Selects a DVD subtitle language.

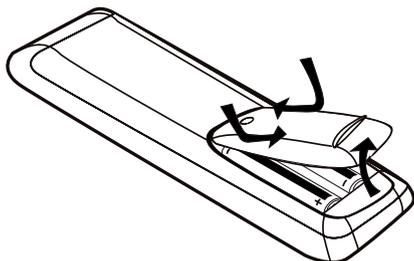
⑰ ZOOM

- Zoom the picture on the TV.

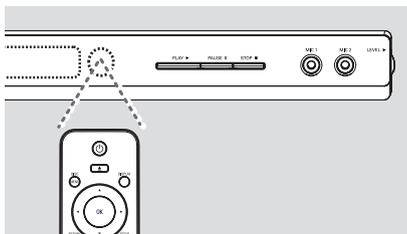


Remote Control (continued)

Using the remote control



- 1 Open the battery compartment.
- 2 Insert two batteries type R03 or AAA, following the indications (+ -) inside the compartment.
- 3 Close the cover.
- 4 Point the remote control directly at the remote sensor (IR) on the front panel.



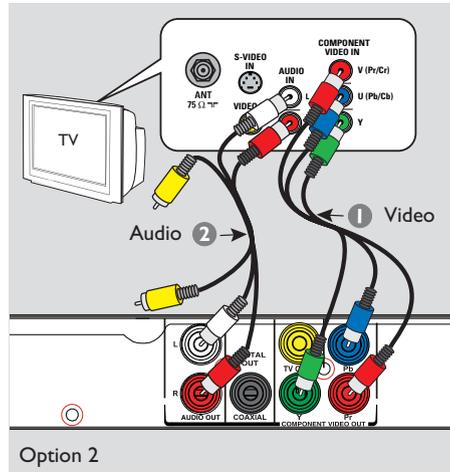
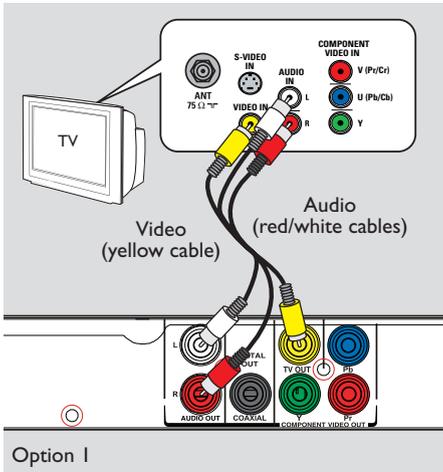
Note:

Never place any objects between the remote control and this unit while operating.

- 5 Select the desired function (for example ►II).

CAUTION!

- Remove batteries if they are exhausted or if the remote control is not to be used for a long time.
- Never mix batteries (old and new or carbon and alkaline, etc.).
- Batteries contain chemical substances; they should be disposed of properly.



Step 1: Connecting to television

This connection enables you to view the video playback from this unit.

You only need to choose **one** of the options below to make the video connection.

- For a standard TV, follow option 1.
- For a progressive scan TV, follow option 2.

Option 1: Using Composite Video jacks (CVBS)

You can connect this unit to a TV through the composite video cable which provides good picture quality.

- Connect the audio/video cables (supplied) from the **TV OUT** and **AUDIO OUT L/R** jacks on this unit to the video input jack (yellow) and audio input jacks (red/white) on your TV.

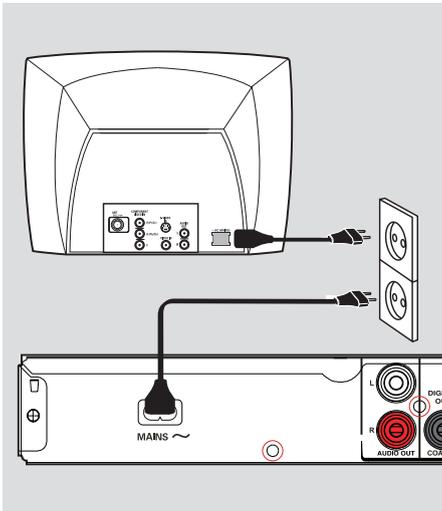
Option 2: Using Component Video jacks (Y Pb Pr)

You can connect this unit to a TV through the component video cables which provides superior picture quality. The progressive scan video quality is only available when using Y Pb Pr connection and a progressive scan TV is required.

- 1 Connect the component video cables (red/blue/green - not supplied) from the **Y Pb Pr** jacks on this unit to the corresponding component video input jacks (or labeled as Y Pb/Cb Pr/Cr or YUV) on your TV.
- 2 Connect the audio/video cables (supplied) from the **AUDIO OUT L/R** jacks on this unit to the audio input jacks (red/white) on your TV. Leave the yellow video cable disconnected.
- 3 Proceed to 'Getting Started - Setting up Progressive Scan feature' for detailed progressive feature setup.

Basic Connections (continued)

English



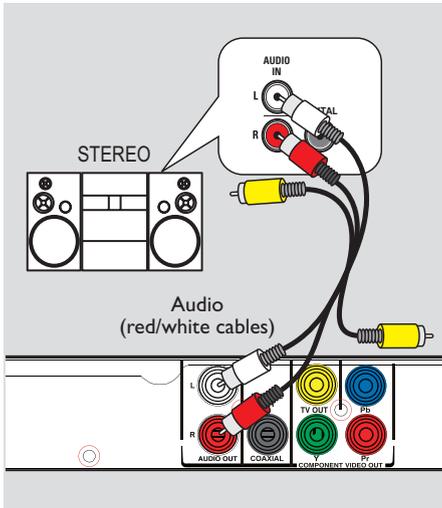
Step 2: Connecting the power cord

After everything is connected properly, plug the AC power cord into the power outlet.

Never make or change any connections with the power turned on.

Helpful Hint:

– Refer to the type plate at the rear or bottom of the product for identification and supply ratings.



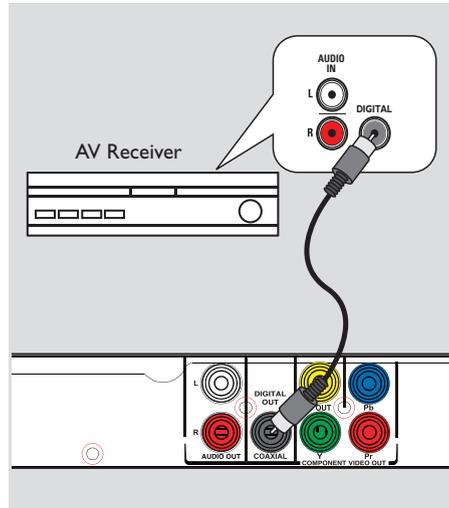
Connecting to an Analog Stereo System

You can connect this unit to a two channel stereo system (e.g. mini system, analog receiver) in order to enjoy stereo sound output.

- 1 Connect the audio/video cables (supplied) from the **AUDIO OUT L/R** jacks on this unit to the audio input jacks (red/white) on your connecting device. Leave the yellow video cable disconnected.
- 2 For video connection, see 'Basic Connections - Step 1: Connecting to television' for details.

Helpful Hint:

– See 'Setup Menu Options - Audio Menu Page' for optimum audio settings.



Connecting to a Digital AV Amplifier/Receiver

You can connect this unit to an AV amplifier/receiver in order to enjoy quality sound.

- 1 Connect a coaxial cable (not supplied) from the **COAXIAL DIGITAL OUT** jack on this unit to the digital coaxial input jack of the connected device.
- 2 For video connection, see 'Basic Connections - Step 1: Connecting to television' for details.

Helpful Hint:

– You have to set the appropriate Digital Audio Output setting. Otherwise, no sound or interference may occur. See 'Setup Menu Options - Audio Menu > Digital Output' for details.

Getting Started

Finding the correct viewing channel

- 1 Press **⏻** to turn on this unit.
- 2 Turn on the TV and switch it to the correct video-in channel. You should see the blue DVD background screen.
 - You may go to the lowest channel on your TV, then press the Channel Down button on your TV's remote control until you see the Video In channel.
 - You may press **⏻** button repeatedly on your TV's remote control.
 - Usually this channel is between the lowest and highest channels and may be called FRONT, A/V IN, VIDEO, etc.
 - Refer to your TV user manual on how to select the correct input on your TV.
- 3 If you are using external device, (such as audio system or receiver), turn it on and select the appropriate input source for this unit output. Refer to the device user's manual for detail.

Setting language preferences

The language options are different depending on your country or region. It may not correspond to the illustrations shown on the user manual.

On-screen display (OSD) language

Select this to change the language of the On screen display menu of this unit. The menu language will remain once you have set it.

- 1 Press **SETUP** on the remote control.
- 2 Move to { **Language** } in the menu and press **▶**.
- 3 Use **▲▼** keys to select { **OSD Language** } in the menu and press **▶**.



- 4 Select a language and press **OK** to confirm.

Subtitle , Audio and DVD Menu language for DVD playback

You can select your preferred language settings for DVD playback. If the selected language is not available on the disc, the disc's default language is used instead.

- 1 Press **SETUP** on the remote control.
- 2 Move to { **Language** } in the menu and press **▶**.
- 3 Use **▲▼** keys to select one of the options below and press **▶**.



{ **Subtitle** }

Select this to change the subtitle language.

{ **Audio** }

Select this to change disc sound track language.

{ **DVD Menu** }

Select this to change the language of the disc menu.

- 4 Use **▲▼** keys to select a language and press **OK** to confirm.
- 5 Repeat steps 3 - 4 for other language settings.

Getting Started (continued)

Setting up Progressive Scan feature

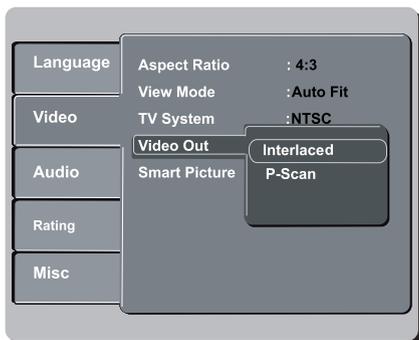
(for Progressive Scan TV only)

The progressive scan displays twice the number of frames per second than interlaced scanning (ordinary normal TV system). With nearly double the number of lines, progressive scan offers higher picture resolution and quality.

Before you start...

– Ensure that you have connected this unit to a progressive scan TV (see 'Option 2: Using Component Video jacks (Y Pb Pr)').

- 1 Turn on the TV to the correct viewing channel for this unit.
→ Make sure that the TV progressive scan mode is turned off (or set to interlaced mode). Refer to your TV user manual.
- 2 Turn on this unit and press **SETUP** on the remote control.
- 3 Use **▲▼** keys to select { **Video** } menu and press **▶**.
- 4 Use **▲▼** keys to select { **Video Out** } > { **P-Scan** } in the menu and press **OK** to confirm.



- 5 Read the notification message on the TV and confirm your action by selecting the { **Yes** } in the menu and press **OK**.

There will be no picture on your TV at this state until you have turned on the progressive scan mode on your TV.

- 6 Turn on your TV progressive scan mode, refer to your TV's user manual.
→ A message appears on the TV.
- 7 Confirm your action by selecting the { **Yes** } in the menu and press **OK**.
→ The setup is now completed and you can start to enjoy the high quality picture.

If no picture is displayed

- 1 Press **▲** to open the disc tray.
- 2 Press **numeric keypad '1'** on the remote control.

Helpful Hints:

- If a blank/distorted screen appears, wait for 15 seconds for the auto recovery.
- There are some progressive scan TV that are not fully compatible with this unit, resulting in an unnatural picture when playing back a DVD VIDEO disc in the progressive scan mode. In such a case, turn off the progressive scan feature on this unit and your TV.

Playable discs



This unit plays:

- Digital Versatile Discs (DVDs)
- Video CDs (VCDs)
- Super Video CDs (SVCDs)
- Finalized DVD Recordable (DVD±R), DVD Rewritable (DVD±RW)
- Audio Compact Discs (CDs)
- MP3/ WMA discs
 - The file extension has to be '.mp3', '.wma'
 - JPEG/ISO format
 - Maximum 14 characters display.
 - Supported bit-rate;
 - 64 – 320 kbps (MP3)
 - 64 – 192 kbps (WMA)
- Picture files (Kodak, JPEG) on CD-R(W)/DVD±R(W)
 - The file extension has to be '.JPG' and not '.JPEG.'
 - JPEG/ISO format
 - It can only display DCF-standard still pictures or JPEG pictures such as TIFF.

Region codes for DVD discs

DVD discs and players are designed with regional restrictions. Before playing a disc, make sure the disc is for the same region as your unit. The region code for this unit is indicated at the rear panel.

| Region | Discs that can be played |
|---|--|
| U.S.A. and Canada regions |   |
| U.K and Europe regions |   |
| Asia Pacific, Taiwan, Korea |   |
| Australia, New Zealand, Latin America |   |
| Russia and India regions |   |
| China, Calcos Islands, Walls and Futuna Islands |   |

Helpful Hints:

- Maximum 10 sessions for CD and 10 multi border for DVD are supported.
- For DVD-R and DVD-RW multi border, only finalized discs are supported.

Disc Operations (continued)

Notes:

- If the inhibit icon  appears on the TV when a button is pressed, it means the function is not available on the current disc or at the current time.
- **Never put any objects other than discs in the disc tray. Doing so may cause the unit to malfunction.**

Playing a disc

- 1 Press  to turn on this unit.
- 2 Turn on the TV to the correct viewing channel for this unit.
- 3 Press  to open the disc tray.
- 4 Load a disc into the disc tray and press .
 - Make sure the disc label is facing towards you.
- 5 Playback starts automatically.
 - If not, press .
 - See the following pages for more playback options and features.

Helpful Hints:

- *Never close the disc tray manually.*
- *If you are having trouble playing a certain disc, remove the disc and try a different one. Improperly formatted discs cannot be played on this unit.*
- *Some discs cannot be played on this unit due to the configuration and characteristics of the disc, or due to the condition of recording and authoring software that was used.*

Basic playback controls

Pausing playback

- During playback, press .
 - To resume playback, press .

Selecting another track/chapter/ title

- Press  /  or use the **numeric keypad 0-9** to enter a track/chapter/title number.
 - If the repeat track mode is active, press  again to replay the same track/chapter/title.

Searching backward/forward (not applicable for JPEG)

- Press and hold  / .
 - While searching, press  /  repeatedly to select different search speed (2X, 4X, 8X, 16X, 32X).
 - To resume normal playback, press .

Playing in slow motion mode (not applicable for CD/WMA/MP3/ JPEG)

- During playback, press  /  to start slow motion play.
 - Sound will be muted. Press  /  repeatedly to select different play speed (1/2, 1/4, 1/8, 1/16).
- Note:** Slow backward motion playback is only possible for DVD.
 - To resume normal playback, press .

Stopping playback

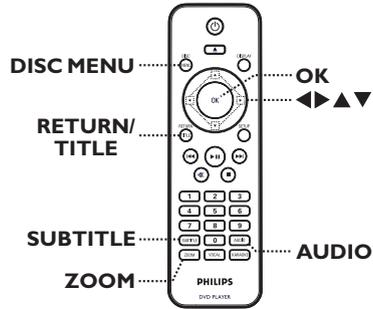
- Press .

Disc Operations (continued)

Helpful Hints:

- For video disc, playback always resumes from the point where it was last stopped. To start playback from the beginning, press **◀◀** while the message 'Play from start, press [PREV]' is displayed.
- Screen saver starts automatically if playback is stopped for about 5 minutes.
- The unit will automatically switch to power standby mode if you do not press any buttons for about 15 minutes after the disc has stopped playing.

Other playback features for video discs



Note:

The operating features described here might not be possible for certain discs. Always refer to the instructions supplied with the discs.

Using the Disc Menu

Depending on the disc, a menu may appear on the TV once you load in the disc.

To select a playback feature

- Use **▲▼◀▶** keys or **numeric keypad 0-9** on the remote control, then press **OK** to start playback.

To access or exit the menu

- Press **DISC MENU** on the remote control.

Disc Operations (continued)

Changing sound track language

This operation works only on DVDs with multiple sound track languages, or VCDs/SVCDs with multiple audio channels.

For DVD

- Press **AUDIO** repeatedly to select the available audio languages.

For VCD/SVCD

- Press **AUDIO** repeatedly to select the available audio channels provided by the disc.

Changing subtitle language

This operation works only on DVDs with multiple subtitle languages. You can change to your desired language during playback.

- Press **SUBTITLE** repeatedly to select different subtitle languages.

Zooming

This option allows you to zoom and pan through the picture on the TV.

- 1 During playback, press **ZOOM** repeatedly to select a different zoom factor.
→ Playback continues.
- 2 Use **▲▼◀▶** keys to pan through the enlarged picture.
- 3 Press **ZOOM** repeatedly to return to the original size.

Playback Control (VCD/SVCD)

Playback Control (PBC) playback allows you to play VCDs/SVCDs interactively, following the menu on the display.

For VCDs with PBC feature (version 2.0 only) and SVCDs

- Press **DISC MENU** to turn on or off the PBC mode.
→ If the PBC mode is turned on, the PBC menu (if available) appears on the TV.
→ If the PBC mode is turned off, it skips the PBC menu and playback from the first track.
- If the PBC mode is turned on, pressing **RETURN/TITLE** during playback will return to the PBC menu.

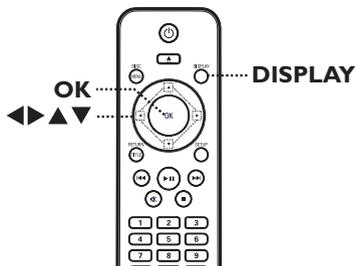
Helpful Hint:

- You cannot use numeric keypad 0-9 to select track if PBC mode is on.

Disc Operations (continued)

Using Display menu options

This unit can display the disc playback information (for example, title or chapter number, elapsed playing time), a number of operations can be done without interrupting disc playback.



- 1 During playback, press **DISPLAY** repeatedly on the remote control.
→ The available disc information appears on the TV.

(DVD)



(VCD/SVCD)



- 2 Use the **numeric keypad 0-9** to input the number/time or use ◀▶ keys to make the selection.
- 3 Press **OK** to confirm.
→ Playback changes to the selected operation.

Selecting title/chapter/track

This option allows you to skip to a specific title/chapter/track in the current disc.

- 1 Move to { Title } / { Chapter } or { Track } option in the display menu.

Note: { Track } option can only be selected if PBC is set to off. To turn off PBC mode, press **DISC MENU**. See 'Disc Operations - Playback Control (VCD/SVCD)' for details.

- 2 Use the **numeric keypad 0-9** to input the valid number.
- 3 Press **OK** to confirm.
→ Playback skips to the selected operation.

Searching by time

This option allows you to skip to a specific point in the current disc.

- 1 Move to { Time } option in the display menu.
- 2 Use the **numeric keypad 0-9** to enter the time where playback should start (eg. 0:34:27).
- 3 Press **OK** to confirm.
→ Playback skips to the selected time.

Disc Operations (continued)

Switching camera angles

This option is only available on DVDs that contain sequences recorded from different camera angles. This allows you to view the picture from different angles.

- 1 Move to { Repeat/ Repeat A-B/ Angle } option in the display menu.
- 2 Use ◀▶ keys to select the angle symbol .
- 3 Press **OK** repeatedly to switch between different angle.
 - Playback changes to the selected angle.

Selecting various repeat functions

This function allows you to select the different repeat play options.

- While playing a disc, press **DISPLAY** on the remote control repeatedly to choose a repeat play mode.

DVD

- Chapter (repeat current chapter)
- Title (repeat current title)
- Off (exit repeat mode)

VCD/SVCD/CD

- Single (repeat current track)
- All (repeat entire disc)
- Off (exit repeat mode)

MP3/JPEG/WMA

- Single (repeat current file)
- All (repeat all files in the current folder)
- Off (exit repeat mode)

Helpful Hint:

- Repeat playback is not possible on VCDs or SVCDs when the PBC mode is turned on.

Repeating a specific section (A-B)

- 1 When 'Repeat' information appears on the TV screen, press ◀▶ to highlight { Rep Off }.
- 2 Press **OK** at the start point.
- 3 Press **OK** again to end the section.
 - The section will now repeat continuously.
- 4 Press **OK** again to resume normal playback.

Helpful Hint:

- The marked section for repeat playback is only possible within the same chapter/track.

Playing a JPEG photo disc (slide show)

Before you start ...

Turn on your TV to the correct Video In channel. See 'Finding the correct viewing channel' for details.

- Load a photo CD (Kodak Picture CD/ JPEG).
→ The picture menu appears on the TV. Press **▶||** to start the slide-show playback.

During playback:

- Press **▶||** to pause or resume playback.
- Press **◀◀◀ / ▶▶▶** to play another file in the folder.

Helpful Hints:

– It may require longer time to display the disc content due to the large number of songs/pictures compiled into one disc.

Supported file format:

- The file extension has to be '*.JPG' and not '*.JPEG'.
- This unit 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.

Zooming

- 1 During playback, press **ZOOM** repeatedly to select a different a zoom factor.
- 2 Use **▲▼◀▶** keys to pan through the enlarged image.

Flip/Rotate picture

- During playback, use **▲▼◀▶** keys to rotate/flip the picture on the TV.

| Action | Remote control |
|---------------------------------------|----------------|
| flip the picture vertically -180°. | ▲ |
| flip the picture horizontally +180°. | ▼ |
| rotate the picture counter-clockwise. | ◀ |
| rotate the picture clockwise. | ▶ |

Disc Operations (continued)

Playing a MP3/WMA disc

This unit can playback most of the MP3 and WMA files recorded on a recordable disc or commercial CD.

Before you start ...

Turn on your TV to the correct Video In channel. See 'Finding the correct viewing channel' for details.

- 1 Load a MP3/WMA disc.
 - The disc reading time may exceed 30 seconds due to the complexity of the directory/file configuration.
 - The disc menu appears on the TV.



- 2 Use ▲▼ keys to select a desired folder and press **OK** to open the folder.
- 3 Use ▲▼ keys to select a file and press **OK** to start playback.
 - Playback starts from the selected file and continues through to the end of the folder.

During playback:

- Press **◀◀** / **▶▶** to playback another file in the current folder.
- Press and hold **◀◀** / **▶▶** to fast backward/ forward search on the file.
- To select another folder from current disc, use **▲▼** and **OK** keys to navigate back to the root menu.
- 4 To stop playback, press **■**.

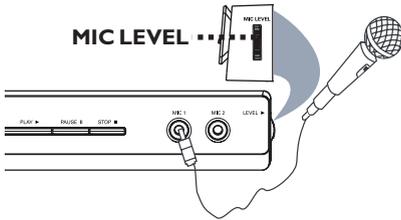
Helpful Hints:

- It is normal to experience an occasional 'skip' while listening to your MP3/WMA disc due to poor clarity of digital contents during internet downloading.
- If any special characters are present in the MP3/WMA track name (ID3) or album name, it might not be displayed correctly on the screen because this unit does not support the characters.

Playing a Karaoke disc

Before you start...

Turn on your TV to the correct Video In channel. Press AV, VIDEO, SELECT or  button on your TV's remote control until you see the blue DVD background.



- 1 Connect microphone(s) (supplied) to the **MIC1** or **MIC2** jack on the front panel of this unit.
- 2 Load a karaoke disc.
 - If the disc menu appears, use **▲▼◀▶** keys to make your selection and press **OK** to start playback.
- 3 Press **KARAOKE** on the remote control to access karaoke menu.
 - { Karaoke : Off } appears on the TV screen.
 - Press **OK** to turn { On } or { Off } the karaoke mode.
- 4 Adjust the microphone volume up or down by using **MIC LEVEL** on the side panel of the unit.
- 5 Press **VOCAL** repeatedly to toggle between various audio modes.
 - You can turn off the vocal or change the audio mode of the karaoke disc.
 - Start enjoying the karaoke.

Helpful Hint:

- Before connecting the microphone, set the microphone volume to the minimum level to prevent howling.

Using the Karaoke Menu option

- 1 Press **KARAOKE** on the remote control repeatedly to access the karaoke menu.
- 2 Press **▲▼** to select one of the options.

{ Karaoke }

- Press **OK** to set karaoke { On } or { Off } when { Karaoke } is selected.

{ Key Shift }

- Use **◀▶** keys to adjust the pitch level between 0 ~ 14 that match your voice.

{ Echo }

- Use **◀▶** keys to adjust the echo level between 0 ~ 16.

{ Voice Cancel }

- Press **OK** to set voice cancel { On } or { Off } .

{ Score }

- Use **◀▶** keys to select scoring ranks: { Off } , { Basic } , { Intermediate } or { Advance } .

Note: If you score 30 points and above at the end of the song, a karaoke score will appear on the TV. Press **OK** to exit the scoring and resume karaoke session.

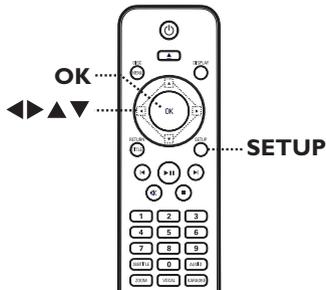
Helpful Hint:

- Karaoke score function is only available for DVD and VCD discs.

Setup Menu Options

Accessing the setup menu

You can change the settings in this unit to suit your particular requirements.



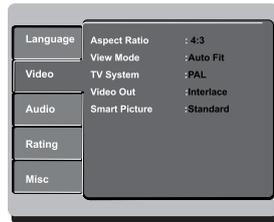
- 1 Press **SETUP** on the remote control.
→ The setup menu appears.
- 2 Use **▲▼** keys to select one of the setup menu options and press **▶**.



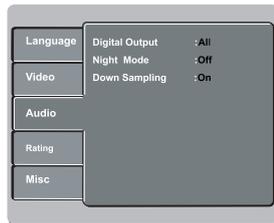
- 3 Use **▲▼** keys to select a setup option and press **▶** to access.
- 4 Use **▲▼** keys to select the setting you wish to change and press **OK** to confirm.
→ Instructions and explanations of the options are provided in the following pages.
→ If the option in the menu is grayed out, that means the setting is not available or cannot be changed in the current state.
- 5 To exit, press **SETUP**.



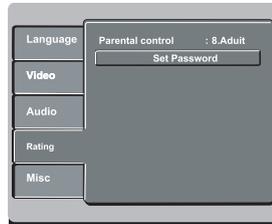
See 'Language Menu' on this chapter.



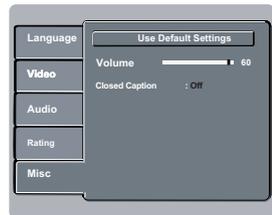
See 'Video Menu' on this chapter.



See 'Audio Menu' on this chapter.



See 'Rating Menu' on this chapter.



See 'Misc Menu' on this chapter.

Setup Menu Options (continued)

Language Menu (underlined options are the factory default settings)

OSD Language

Select the menu language for this unit's on-screen display.

Subtitle

Select the preferred subtitle language for DVDs playback.

Audio

Select the preferred audio language for DVDs playback with multiple sound tracks.

DVD Menu

Select the preferred dvd menu language for DVDs playback.

Note: If the selected audio/subtitle/dvd menu language is not available on the DVD, the disc's default language will be used instead.

Setup Menu Options (continued)

Video Menu (underlined options are the factory default settings)

Aspect Ratio

The picture shape can be adjusted to fit your TV.

- { 4:3 } – For a 'wide-screen' display with black bars on the top and bottom.
- { 16:9 } – For wide-screen TV (frame ratio 16 :9).



View Mode

This setting allows you to scale the picture to fit the TV's width and height.

- { Fill } – Scale the picture to fill the screen height and width equally.
- { Original } – Scale the picture to fit to the original screen size (only for MPEG).
- { Height Fit } – Scale the picture to fit to the screen height.
- { Width Fit } – Scale the picture to fit the screen width.
- { Auto Fit } – Scale the picture proportionally with minimum screen ratio.
- { Pan Scan } – Scale the picture proportionally with maximum screen ratio.

TV System

Select the color system that matches the connected TV. It enables playback of a different type of disc (PAL or NTSC disc) on this unit.

- { NTSC } – For NTSC-system TV.
- { PAL } – For PAL-system TV.
- { Multi } – For TV that is compatible with both PAL and NTSC.

Confirm the setting by pressing ◀ to select { Yes } in the menu and press **OK** on the remote control.

Setup Menu Options (continued)

Video Menu (underlined options are the factory default settings)

Video Out

Before enabling the progressive scan feature, you must ensure that your TV can accept progressive signals (a progressive scan TV is required) and that you have connected this unit to your TV using the Y Pb Pr. See 'Getting Started - Setting up the progressive scan feature' for details.

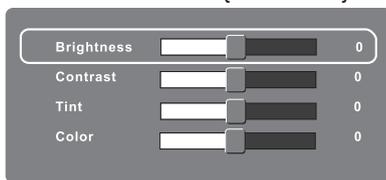
- { **Interlaced** } – Turn off progressive scan mode.
- { **P-Scan** } – Turn on progressive scan mode.

Confirm the setting by pressing ◀ to select { **Yes** } in the menu and press **OK** on the remote control.

Smart Picture

This unit provides three predefined sets of picture color settings and one personal setting which you can define yourself.

- { **Standard** } – Original color setting.
- { **Vivid** } – Vibrant color setting.
- { **Cool** } – Soft color setting.
- { **Personal** } – Select this to personalize the picture color setting. Use the ◀ ▶ keys to adjust to the setting that best suits your personal preference. For an average setting, select { 0 }.



Setup Menu Options (continued)

Audio Menu (underlined options are the factory default settings)

Digital Output

This setting is only required if you have connected the audio output of this unit to an amplifier/receiver using the digital output jack.

- { Off } – Disable digital audio output. Select this if you are using the analog audio jacks to connect this unit to a TV or Stereo system.
- { PCM } – The connected device does not support multi-channel formats. All audio signals are downmixed to PCM format (2-channel).
- { ALL } – The connected device supports multi-channel audio formats. The digital audio format will be output as on disc.

Night Mode

This mode optimizes playback of sound at low volume. High volume outputs will be softened and low volume outputs will be enhanced to an audible level. This feature is only applicable for DVD video discs with Dolby Digital mode.

- { Off } – Turn off night mode. Select this to enjoy the surround sound with its full dynamic range.
- { On } – Turn on night mode.

Down Sampling

This feature enables you to disable digital signal processing for better sound quality.

- { Off } – Play disc recorded at sampling rate of 96 kHz. This rate can only be achieved in Stereo-Classic (Flat) mode.
- { On } – Play disc recorded at sampling rate of 48 kHz.

Setup Menu Options (continued)

Rating Menu (underlined options are the factory default settings)

Parental Control

This setting allows you to control the playback of certain disc through a rating level. It works only on the DVDs with parental level assigned to the complete disc or to certain scenes on the disc.

- 1) Use the **numeric keypad 0-9** on the remote control to enter your four-digit password and press **OK**.
- 2) Use **▲▼** keys to select a rating level from 1 to 8 and press **OK**.

Notes:

- The ratings are country-dependent ('1' is considered material that is least offensive and '8' is most offensive). To disable parental controls and allow all discs to play, select '8'.
- Some DVDs are not encoded with a rating though the movie rating may be printed on the disc cover. The rating level feature does not prohibit playback of such discs. VCD, SVCD and CD have no level indication, so parental control has no effect on these type of discs.
- DVDs that are rated higher than the level you selected will not be played unless you enter the same four-digit password.

Set Password

The password is used for Parental Control. The default password is '0000'.

To change the password:

- 1) Use **▲▼** keys to select { Set Password } and press **OK**.
- 2) Use the **numeric keypad 0-9** on the remote control to enter your existing four-digit password at { Password }.



Note: When doing this for the first time or if you forget your existing password, enter '0000'.

- 3) Press **OK** to proceed.
- 4) Enter the new four-digit password at { New Password }.
- 5) Press **OK** to confirm and press **SETUP** to exit the menu.

Setup Menu Options (continued)

Misc Menu (underlined options are the factory default settings)

Use Default Settings

This setting enables you to reset all the options and settings to the factory defaults, with exception of your password for Parental control.

- { **Yes** } – Select this to reset to factory default settings.
- { No } – Select this to keep the existing setting.

Use ◀▶ keys to make a selection and press **OK** to confirm.

Volume

This setting allows you to adjust the volume level.

Access the volume setup menu. Use ◀▶ keys to set the volume level between 0 ~ 63 and press **OK** to exit. (60 is the default setting)

Closed Caption

This feature is only available if the disc contains of special video signal data. It shows sound effects on the screen if your TV supports this feature, such as 'phone ringing' and 'footsteps.'

- { **On** } – Turn on closed caption feature.
- { Off } – Turn off closed caption feature.

Installing the latest software

Philips provides software upgrades to make sure that this unit is compatible with the newest formats. To check the updates, compare the current software version of this unit with the latest software version available at the Philips website.

- 1 Press **▲** to open the disc tray.
- 2 Press **numeric keypad '966'** on the remote control.
- 3 Write down the file name.
- 4 Go to www.philips.com/support to check the latest software version available for this unit.
- 5 If the latest software version is higher than the software version of this unit, download it and store onto a CD-R.
- 6 Load the CD-R into this unit for upgrade operation.

Note:

Never unplug or turn off this unit during the upgrade.

- 7 Once complete, this unit will power off automatically.

Troubleshooting

WARNING

Under no circumstances should you try to repair this unit yourself, as this invalidates the warranty. Do not open this unit as there is a risk of electric shock.

If a fault occurs, first check the points listed below before taking this unit for repair. If you are unable to remedy a problem by following these hints, consult your dealer or Philips for help.

| Problem | Solution |
|---|--|
| No power. | <ul style="list-style-type: none">– Press STANDBY-ON on the unit to turn on the power.– Ensure that the AC outlet has power.– Disconnect the power cord from the power outlet for a few minutes. Reconnect the power cord and try to operate again as usual. |
| No picture. | <ul style="list-style-type: none">– Refer to your TV manual for correct Video In channel selection. Change the TV channel until you see the DVD screen.– If this happens when you turn on the progressive scan feature, wait for 15 seconds for the auto recovery or switch back to the default mode as below:<ol style="list-style-type: none">1) Press ▲ to open the disc tray.2) Press numeric keypad '1' on the remote control.– If this happens after you set the color system, wait for 15 seconds for the auto recovery or switch back to the default TV color system:<ol style="list-style-type: none">1) Press ▲ to open the disc tray.2) Press numeric keypad '3' on the remote control. |
| Completely distorted picture or black/white picture. | <ul style="list-style-type: none">– Check the video connection.– Ensure that the disc is compatible with this unit.– Sometimes a small amount of picture distortion may appear. This is not a malfunction.– The disc is dirty. Clean the disc. |

Troubleshooting (continued)

| Problem | Solution |
|--|--|
| No sound or distorted sound. | <ul style="list-style-type: none">– Check the audio connections to the connected audio device.– Make sure that the connected audio device is turned on to the correct input source.– Set the digital output setting correctly, based on the device you connected to this unit. See 'Audio Menu - Digital Output' for details. |
| The remote control does not function properly. | <ul style="list-style-type: none">– Aim the remote control directly at the sensor on the front of this unit (not towards the TV).– Remove any obstacles between this unit and the remote control.– Batteries are weak, replace the batteries.– Check the polarities of the batteries are as indicated on the remote control (\pm signs). |
| The unit does not start playback. | <ul style="list-style-type: none">– Load a readable disc with the playback side facing inwards. The DVD\pmR/CD-R must be finalized.– Make sure the disc is not scratched or warped. Check if the disc is defective by trying another disc.– The disc is of a different region code.– You may need to enter the password in order to unlock the disc for playback.– Moisture may have condensed inside this unit. Remove the disc and leave this unit turned on for about an hour. |
| The buttons on the unit do not work. | <ul style="list-style-type: none">– There is a technical problem. Disconnect this unit from the power outlet for 10 seconds and reconnect again. |
| The aspect ratio of the screen cannot be changed even though you have set the TV display. | <ul style="list-style-type: none">– The aspect ratio is fixed on the DVD disc.– Depending on the TV, it may not be possible to change the aspect ratio. |

Troubleshooting (continued)

| Problem | Solution |
|--|--|
| Cannot activate some features such as Angles, Subtitles, or multi-language Audio. | <ul style="list-style-type: none">- The features may not be available on the DVD.- Changing the language for the sound or subtitle is prohibited on this DVD. |
| Not able to select some items in the setup/system menu. | <ul style="list-style-type: none">- Press ■ twice before selecting the disc setup menu.- Depending on the disc availability, some menu items cannot be selected. |
| Picture freezes momentarily during playback. | <ul style="list-style-type: none">- Check the disc for fingerprint/scratches and clean with a soft cloth wiping from center to edge. |
| Unable to select Progressive Scan on/off. | <ul style="list-style-type: none">- Check that the video output of this unit is connected using the Component Video (Y Pb Pr) jacks. |

Specifications

TV STANDARD

| | |
|-----------------|-------------------------------|
| | (PAL/50Hz) (NTSC/60Hz) |
| Number of lines | 625 525 |
| Playback | Multistandard (PAL/NTSC) |

VIDEO PERFORMANCE

| | |
|--------------|------------------------------|
| Video DAC | 12 bit, 108 MHz |
| Y Pb Pr | 0.7 V _{pp} ~ 75 ohm |
| Video Output | 1 V _{pp} ~ 75 ohm |

VIDEO FORMAT

| | |
|-------------|----------------------|
| Digital | MPEG 2 for DVD, SVCD |
| Compression | MPEG 1 for VCD |

| | | |
|---------------------|--------------|--------------|
| DVD | 50 Hz | 60 Hz |
| Horiz. resolution | 720 pixels | 720 pixels |
| Vertical resolution | 576 lines | 480 lines |

| | | |
|---------------------|--------------|--------------|
| VCD | 50 Hz | 60 Hz |
| Horiz. resolution | 352 pixels | 352 pixels |
| Vertical resolution | 288 lines | 240 lines |

AUDIO FORMAT

| | | |
|---------|--------------------|--|
| Digital | MPEG/ AC-3/ PCM | compressed Digital 16, 20, 24 bits fs, 44.1, 48, 96 kHz |
| | MP3 (ISO 9660) | 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

AUDIO PERFORMANCE

| | |
|-------------------------|--------------------------|
| DA Converter | 24 bit, 192 kHz |
| DVD | fs 96 kHz 4 Hz - 44 kHz |
| | fs 48 kHz 4 Hz - 22 kHz |
| SVCD | fs 48 kHz 4 Hz - 22 kHz |
| | fs 44.1kHz 4 Hz - 20 kHz |
| CD/VCD | fs 44.1kHz 4 Hz - 20 kHz |
| Signal-Noise (1kHz) | > 90 dB |
| Dynamic range(1kHz) | > 80 dB |
| Crosstalk (1kHz) | > 70 dB |
| Distortion/noise (1kHz) | > 65 dB |
| MPEG MP3 | MPEG Audio L3 |

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 |

CABINET

| | |
|------------------------|--------------------------------|
| Dimensions (w x h x d) | 435 x 38 x 210 mm |
| Weight | Approximately 1.7 kg |

POWER CONSUMPTION

| | |
|--------------------------------------|----------------------------|
| Power Supply Rating | 110 V – 240 V; 50/60 Hz |
| Power consumption | < 10 W |
| Power consumption in Standby mode | < 1 W |

Specifications are subject to change without prior notice.

Glossary

Analog audio: Sound that has not been turned into numbers. Analog sound is available when you use the AUDIO LEFT/RIGHT jacks. These red and white jacks send audio through two channels, the left and right.

Aspect ratio: Aspect ratio refers to the length to height ratio of TV. 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.

AUDIO OUT jacks: Jacks on the back of this unit that send audio to another system (TV, Stereo, etc.).

Bit Rate: The amount of data used to hold a given length of music; measured in kilobits per second, or kbps. Or, the speed at which you record. Generally, the higher the bit rate, or the higher the recording speed, the better the sound quality. However, higher bit rates use more space on a disc.

Chapter: Sections of a picture or a music piece on a DVD that are smaller than titles. A title is composed of several chapters. Each chapter is assigned a chapter number enabling you to locate the chapter you want.

CVBS: Composite video (or Composite Video Blanking and Sync). A single video signal commonly used in most consumer video products.

DVD Menu: A screen display prepared for allowing a selection of images, sounds, subtitles, multi-angles, etc., recorded on a DVD.

Dolby Digital: A surround sound system developed by Dolby Laboratories containing up to six channels of digital audio (front left and right, surround left and right, center and subwoofer).

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'.

MP3: A file format with a sound data compression system. 'MP3' is the abbreviation of Motion Picture Experts Group 1 (or MPEG-1) Audio Layer3. By using the MP3 format, one CD-R or CD-RW can contain about 10 times more data than a regular CD.

Parental Control: A function of the DVD to limit playback of the disc by the age of the users according to the limitation level in each country. The limitation varies from disc to disc; when it is activated, playback will be prohibited if the software's level is higher than the user-set level.

PBC: Playback Control. A system of navigating a Video CD/Super VCD through on-screen menus recorded onto the disc. You can enjoy interactive playback and searching.

PCM (Pulse Code Modulation): A system for converting analog sound signal to digital signal for later processing, with no data compression used in conversion.

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.

Region code: A system allowing discs to be played only in the region designated. This unit will only play discs that have compatible region codes. You can find the region code of your unit by looking at the product label. Some discs are compatible with more than one region (or ALL regions).

Title: The longest section of a movie or music feature on DVD. Each title is assigned a title number, enabling you to locate the title you want.

TV OUT jack: Jack on the back of this unit that sends out video signals to the TV.

WMA: Windows Media™ Audio. Refers to an audio compression technology developed by Microsoft Corporation. WMA data can be encoded by using Windows Media Player version 9 or Windows Media Player for Windows XP. Files are recognized by their file extension 'WMA'.