

# DVD Micro Theatre

MCD716

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User manual



# PHILIPS

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## CAUTION

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

## Important notes for users in the U.K.

### Mains plug

This apparatus is fitted with an approved 13 Amp plug. To change a fuse in this type of plug proceed as follows:

- 1 Remove fuse cover and fuse.
- 2 Fix new fuse which should be a BS1362 3 Amp, A.S.T.A. or BSI approved type.
- 3 Refit the fuse cover.

If the fitted plug is not suitable for your socket outlets, it should be cut off and an appropriate plug fitted in its place.

If the mains plug contains a fuse, this should have a value of 3 Amp. If a plug without a fuse is used, the fuse at the distribution board should not be greater than 3 Amp.

**Note: The severed plug must be disposed of to avoid a possible shock hazard should it be inserted into a 13 Amp socket elsewhere.**

### How to connect a plug

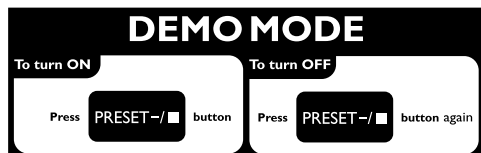
The wires in the mains lead are coloured with the following code: blue = neutral (N), brown = live (L).

- As these colours may not correspond with the colour markings identifying the terminals in your plug, proceed as follows:
  - Connect the blue wire to the terminal marked N or coloured black.
  - Connect the brown wire to the terminal marked L or coloured red.
  - Do not connect either wire to the earth terminal in the plug, marked E (or  $\perp$ ) or coloured green (or green and yellow).

Before replacing the plug cover, make certain that the cord grip is clamped over the sheath of the lead - not simply over the two wires.

### Copyright in the U.K.

Recording and playback of material may require consent. See Copyright Act 1956 and The Performer's Protection Acts 1958 to 1972.



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### Disposal of your old product

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 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. The correct disposal of your old product will help prevent potential negative consequences for the environment and human health.

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).

## Features

Your DVD Micro Theatre with 2.0 channel full digital amplifier creates the same dynamic sound qualities that you find in full-fledged cinemas and incorporates some of the best features in home theater technology.

### Other features include:

Built-in Dolby Digital decoder, supporting and DSC sound setting.

### Additional Component Connections

Lets you connect other audio and audio/visual components to the DVD micro theatre.

### Night mode

Lets you compress the dynamic range, reducing the difference in loudness between different sounds in Dolby Digital mode.

### Parental Control (Rating Level)

Lets you set a ratings level so that your children cannot watch a DVD that has a rating higher than you set.

### Sleep/Wake-up Timer

Enables the system to switch on/off automatically at a preset time.

### Progressive Scan

Provides high quality flicker-free images for film based sources. When a picture refreshes, its vertical resolution can double to 525 lines.

#### Note:

*To fully enjoy the progressive scan feature, you need a progressive scan TV.*

## Supplied accessories

- Remote control with two AAA batteries
- FM wire antenna
- Composite video (yellow) cable
- Control cable
- Stand for the DVD player and power amplifier
- This instruction booklet and a Quick Start Guide

**If any item is damaged or missing, contact your retailer or Philips.**

## Environmental information

All unnecessary packaging has been omitted. We have tried to make the packaging easy to separate into three materials: cardboard (box), polystyrene foam (buffer) and polyethylene (bags, protective foam sheet).

Your system consists of materials which can be recycled and reused if disassembled by a specialised company. Please observe the local regulations regarding the disposal of packaging materials, exhausted batteries and old equipment.

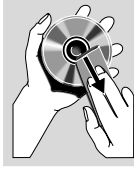
## Installation

- Place the player on a flat, hard, and stable surface.
- In a cabinet, allow about 10cm (4 inches) of free space all around the player for adequate ventilation.
- Do not expose your player to extreme temperatures or humidity.
- The apparatus shall not be exposed to dripping or splashing.
- No objects filled with liquids, such as vases, shall be placed on the apparatus.
- No naked flame sources, such as lighted candles, shall be placed on the apparatus.
- Install this unit near the AC outlet and where the AC power plug can be reached easily.
- The ventilation should not be impeded by covering the ventilation openings with items, such as newspapers, table-cloths, curtains, etc.

# General Information

## Maintenance

- When a disc becomes dirty, clean it with a cleaning cloth. Wipe the disc from the center out, in a straight line.
- Do not expose the player, batteries or discs to humidity, rain, sand or excessive heat (caused by heating equipment or direct sunlight). Always keep the disc tray closed to avoid dust on the lens.
- Do not use solvents such as benzene, thinner, commercially available cleaners, or anti-static spray intended for colour discs.
- The lens may cloud over when the player is suddenly moved from cold to warm surroundings, making it impossible to play a disc. Leave the player in the warm environment until the moisture evaporates.



## Hearing Safety

### Listen at a moderate volume.

- Using headphones at a high volume can impair your hearing. This product can produce sounds in decibel ranges that may cause hearing loss for a normal person, even for exposure less than a minute. The higher decibel ranges are offered for those that may have already experienced some hearing loss.
- Sound can be deceiving. Over time your hearing "comfort level" adapts to higher volumes of sound. So after prolonged listening, what sounds "normal" can actually be loud and harmful to your hearing. To guard against this, set your volume to a safe level before your hearing adapts and leave it there.

### To establish a safe volume level:

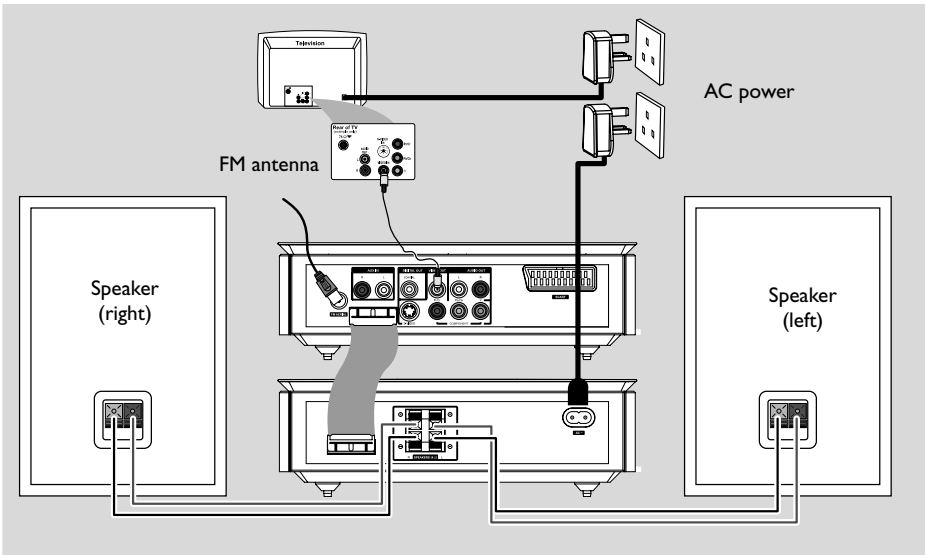
- Set your volume control at a low setting.
- Slowly increase the sound until you can hear it comfortably and clearly, without distortion.

### Listen for reasonable periods of time:

- Prolonged exposure to sound, even at normally "safe" levels, can also cause hearing loss.
- Be sure to use your equipment reasonably and take appropriate breaks.

### Be sure to observe the following guidelines when using your headphones.

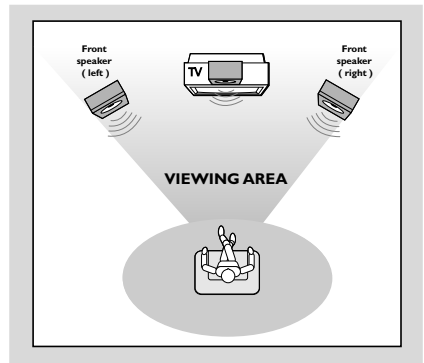
- Listen at reasonable volumes for reasonable periods of time.
- Be careful not to adjust the volume as your hearing adapts.
- Do not turn up the volume so high that you can't hear what's around you.
- You should use caution or temporarily discontinue use in potentially hazardous situations.
- Do not use headphones while operating a motorized vehicle, cycling, skateboarding, etc.; it may create a traffic hazard and is illegal in many areas.



## IMPORTANT!

- The type plate is located at the bottom of the system.
- For users in the U.K.: please follow the instructions on page 2.
- Before connecting the AC power cord to the wall outlet, ensure that all other connections have been made.
- Never make or change any connections with the power switched on.

## Step 1: Placing speakers



Place the front left and right speakers at equal distances from the TV set and at an angle of approximately 45 degrees from the listening position.

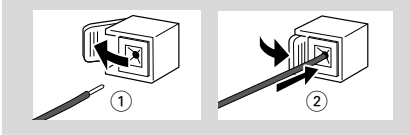
### Notes:

- To avoid magnetic interference, do not position the front speakers too close to your TV set.
- Allow adequate ventilation around the DVD System.

# Connections

## Step 2: Connecting speakers

Connect the speaker wires to the SPEAKERS terminals, right speaker to "R" and left speaker to "L", coloured (marked) wire to "+" and black (unmarked) wire to "-". Fully insert the stripped portion of the speaker wire into the terminal as shown.



### Notes:

- Ensure that the speaker cables are correctly connected. Improper connections may damage the system due to short-circuit.
- For optimal sound performance, use the supplied speakers.
- Do not connect more than one speaker to any one pair of +/- speaker jacks.
- Do not connect speakers with an impedance lower than the speakers supplied. Please refer to the SPECIFICATIONS section of this manual.

## Step 3: Connecting the control cable

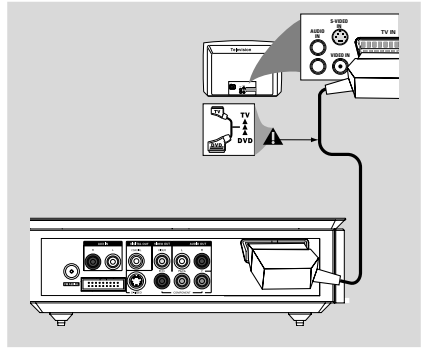
- Connect the serial port marked "**CONTROL CABLE**" at the rear of the DVD player to the same port at the rear of the power amplifier with the supplied flat control cable.

## Step 4: Connecting TV

### IMPORTANT!

- You only need to make one video connection from the following options, depending on the capabilities of your TV.
- Connect the DVD system directly to the TV.
- A SCART connection allows you to use features both Audio and Video features on the DVD Player.

### Using SCART jack



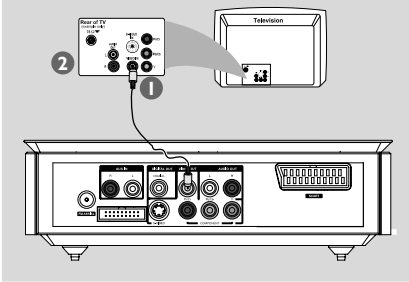
- Use the SCART cable (black) to connect the DVD Player's **SCART** jack to the corresponding Scart input jacks on the TV (*cable not supplied*).

### Note:

- Ensure that the "TV" indication on SCART cable is connected to the TV set and "DVD" indication on SCART cable is connected to the DVD Player.



## Using Composite Video jack

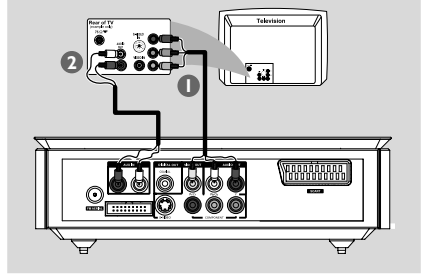


- 1 Use the supplied composite video cable (yellow) to connect the DVD system's **VIDEO OUT** jack to the video input jack (or labeled as A/V In, CVBS, Composite or Baseband) on the TV.
- 2 To hear the TV channels through this DVD system, use the audio connectors (white/ red) of the supplied audio and composite video cables (2-in1) to connect **AUX IN** jacks to the corresponding AUDIO OUT jacks on the TV.

## Using Component Video jacks (Y Pb Pr)

### IMPORTANT!

– The progressive scan video quality is only possible when using Y Pb Pr, and a progressive scan TV is required.



- 1 Use component video cables (red/blue/green - not supplied) to connect the DVD system's Y Pb Pr jacks to the corresponding Component video input jacks (or labeled as Y Pb/Cb Pr/Cr or YUV) on the TV.
- 2 To hear the TV channels through this DVD system, use the audio cables (white/red) to connect **AUX IN** jacks to the corresponding AUDIO OUT jacks on the TV.
- 3 If you are using a Progressive Scan TV (TV must indicate Progressive Scan or ProScan capability), to activate TV Progressive Scan, please refer to your TV user manual. For DVD system Progressive Scan function, see "Getting Started-Setting up Progressive Scan feature".

### Note:

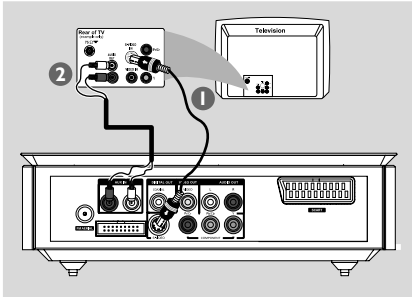
– If your TV does not support Progressive Scan, you will not be able to view the picture. Press **SYSTEM MENU** on the remote to exit the system menu and then **DISC** and "1" to exit progressive scan.

# Connections

## Using S-Video jack

### IMPORTANT!

– If S-Video is used for DVD playback connection, the system's VIDEO OUT setting will need to be changed accordingly.

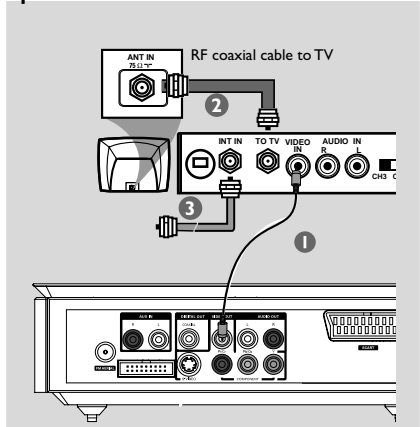


- 1 Use an S-Video cable (not supplied) to connect the DVD system's S-VIDEO jack to the S-Video input jack (or labeled as Y/C or S-VHS) on the TV.
- 2 To hear the TV channels through this DVD system, use the audio cables (white/red) to connect **AUX IN (R/L)** jacks to the corresponding AUDIO OUT jacks on the TV.

## Using an accessory RF modulator

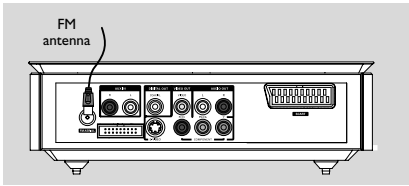
### IMPORTANT!

– If your TV only has a single Antenna In jack (labeled as 75 ohm or RF In), you will need an RF modulator in order to view DVD playback on the TV. See your electronics retailer or contact Philips for details on RF modulator availability and operations.

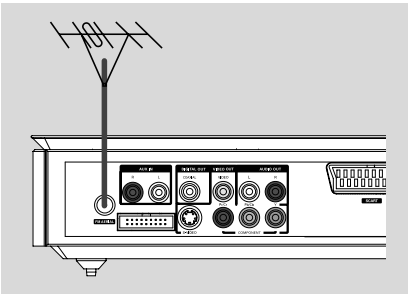


- 1 Use the composite video cable (yellow) to connect the DVD system's VIDEO OUT jack to the video input jack on the RF modulator.
- 2 Use an RF coaxial cable (not supplied) to connect ANTENNA OUT or TO TV jack on the RF modulator to the Antenna IN jack on the TV.
- 3 Connect the Antenna or Cable TV service signal to the ANTENNA IN or RF IN jack on the RF modulator. (It may have been connected to your TV previously. Disconnect it from the TV.)

## Step 5: Connecting FM antenna



- Connect the supplied FM antenna to the FM (75 Ω) jack. Extend the FM antenna and fix its end to the wall.  
For better FM stereo reception, connect an external FM antenna (not supplied).



### Note:

- Adjust the position of the antenna for optimal reception.
- Position the antennas as far as possible from your TV, VCR or other radiation source to prevent unwanted interference.

## Step 6: Connecting the power cord

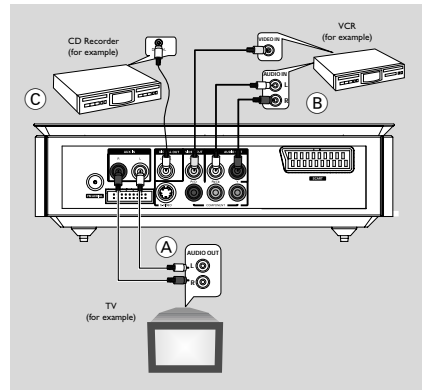
After everything is connected properly, plug in the AC power cord to the power outlet.

Never make or change any connection with the power switched on.

## Additional: Connecting additional equipment

### IMPORTANT!

- Some discs are copy-protected. You cannot record the disc through a VCR or digital recording device.
- When making connections, make sure the colour of cables matches the colour of jacks.
- Always refer to the owner's manual of the other equipment for complete connection and usage details.



# Connections

## Viewing and listening to the playback of other equipment <sup>(A)</sup>

- Connect the system's **AUX IN (R/L)** jacks to the AUDIO OUT jacks on the other audio/visual device (such as a TV, VCR, Laser Disc player or cassette deck).  
Before starting operation, press **SOURCE** on the front panel to select AUX or press **AUX** on the remote in order to activate the input source.

## Using the VCR for recording DVDs <sup>(B)</sup>

- Connect one of the system's **VIDEO OUT** jacks to the corresponding VIDEO IN jack and **LINE OUT (R/L)** jacks to the AUDIO IN jacks on the VCR. This will allow you to make analogue stereo (two channel, right and left) recordings.

## Recording (digital) <sup>(C)</sup>


- Connect the system's **COAXIAL** jack to the DIGITAL IN jack on a digital recording device. Before starting operation, set the DIGITAL OUT according to the audio connection. (See "DIGITAL OUT".)

## Additional connection: Connecting a USB device or memory card


By connecting a USB mass storage device (including USB flash memory, USB flash players or memory cards) to the Hi-Fi system, you can enjoy the device's stored music through the powerful speakers of Hi-Fi system.

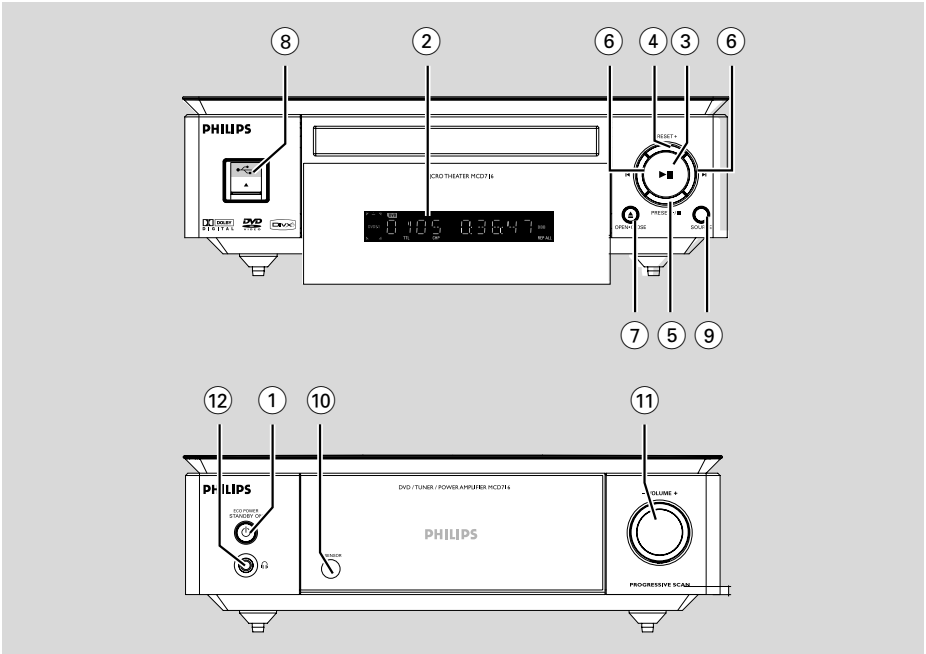
- Insert the USB device's USB plug into the  socket on the set.

### for the devices with USB cables:





- 1 Insert one plug of the USB cable (not supplied) to the  socket on the set.
- 2 Insert the other plug of the USB cable to the USB output terminal of the USB device.

### for the memory card:

- 1 Insert the memory card into a card reader (not supplied).
- 2 Use a USB cable (not supplied) to connect the card reader into the  socket on the set.



## DVD player and power amplifier

- ① **ECO POWER/STANDBY-ON** 
  - switches on the system or puts it on to Eco power/normal standby mode.
- ② **Display**
  - shows the current status of the DVD player.
- ③ **▶ ||**
  - starts or interrupts disc playback.
- ④ **PRESET +**
  - in tuner mode, selects a preset radio station forward.
- ⑤ **PRESET -/■**
  - stops disc playback or erases a program.
  - in tuner mode, selects a preset radio station backward.
  - in Demo mode (*on the system only*), activates/deactivates the demonstration.
- ⑥ **◀▶**
  - Disc:**
    - skips to the previous/next chapter/title/track.
  - Tuner:**
    - tunes to a higher/lower radio frequency.
- ⑦ **OPEN-CLOSE** 
  - opens or closes the disc tray.
- ⑧ **USB DIRECT** 
  - is the jack for the external USB mass storage device.
- ⑨ **SOURCE**
  - to select the respective sound source :TUNER, DISC, USB or AUX.
  - switches the system on.
- ⑩ **IR SENSOR**
  - point the remote control towards this sensor.
- ⑪ **VOLUME +/-**
  - adjusts the volume upward/downward.
  - adjusts the hours and minutes in clock/timer setting mode.
  - switches the set timer ON or OFF.
- ⑫ 
  - connects a headphone.

# Functional Overview

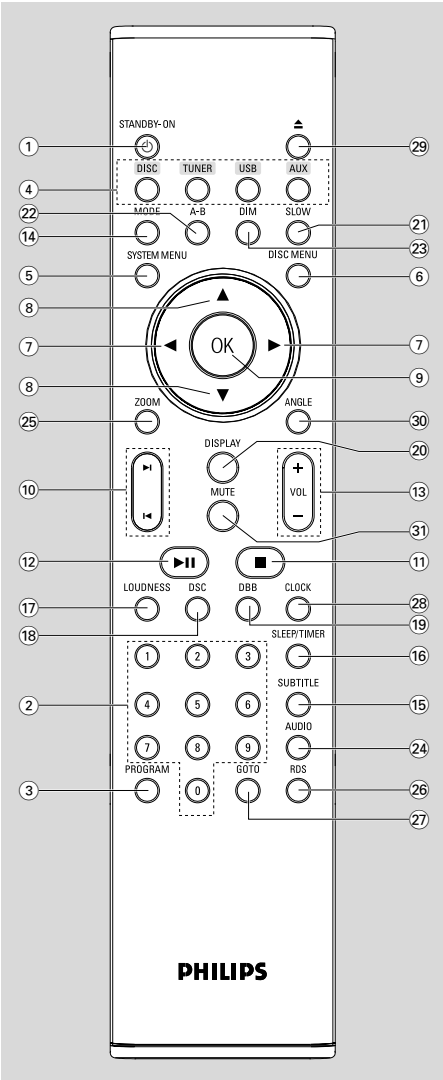
## Remote control

### ① STANDBY-ON

- switches on the system or puts it on to Eco power/normal standby mode.

### ② Numeric Keypad (0-9)

- inputs a track/title/chapter number of the disc.



### ③ PROGRAM

- DVD/VCD/CD/MP3-CD/USB: enters the program menu.
- Picture CD: during playback, to select a slide show mode.
- Tuner: programs preset radio stations.

### ④ SOURCE

- to select the respective sound source :TUNER, DISC, USB or AUX.

### ⑤ SYSTEM MENU (disc mode only)

- to enter or exit the system menu bar.

### ⑥ DISC MENU (disc mode only)

- DVD/VCD: enters or exits the disc contents menu.
- VCD2.0: switches the playback control mode on or off.

### ⑦

- Tuner
- press to tune to a lower/higher radio frequency gradually.
- press and hold, then release the key to start automatic search for a radio frequency downward/upward.
- Disc/USB
- searches fast backward/forward.
- In DISC mode, to select a movement direction in the disc menu or system menu bar.

### ⑧

- In DISC mode, to select a movement direction in the disc menu or system menu bar.

### ⑨ OK

- to exit or confirm the selection.

### ⑩

- Disc: skips to the previous/next chapter/title/ track.
- Tuner: selects a preset radio station.

### ⑪

- In DISC/USB mode, to stop playback or clear a program.

### ⑫

- In DISC/USB mode, to start or interrupt playback.

- ⑬ **VOL +/-**
  - adjusts the volume upward/downward.
  - adjusts the hours and minutes in clock/timer setting mode.
  - selects a source in timer setting mode.
- ⑭ **MODE**
  - selects various repeat modes or the shuffle play mode for a disc.
- ⑮ **SUBTITLE**
  - selects a subtitle language.
- ⑯ **SLEEP/TIMER**
  - Standby mode**
    - sets time for switching on the system automatically.
  - Power-on mode**
    - sets the sleep timer function (auto off).
- ⑰ **LOUDNESS**
  - enables or disables automatic loudness adjustment.
- ⑱ **DSC**
  - selects different types of preset sound equalizer settings (CLASSIC, JAZZ, ROCK, POP or FLAT).
- ⑲ **DBB**
  - enables or disables bass enhancement.
- ⑳ **DISPLAY**
  - displays information on TV screen during playback.
- ㉑ **SLOW**
  - selects different slow playback modes for a VCD/ SVCD/DVD.
- ㉒ **A-B**
  - for VCD/CD/USB: to repeat a specific section within the same track.
  - for DVD: to repeat a specific section in a disc.
- ㉓ **DIM**
  - selects different levels of brightness for the display screen.
- ㉔ **AUDIO**
  - for VCD
    - sets Stereo, Mono-Left or Mono-Right sound mode.
  - for DVD
    - selects an audio language.

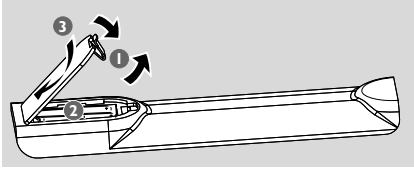
- ㉕ **ZOOM**
  - DVD/VCD/Picture CD: enlarges or reduces a picture or active image on the TV screen.
- ㉖ **RDS**
  - for tuner; displays RDS information.
- ㉗ **GOTO**
  - In DISC mode, to fast search in a disc by entering a time, title, chapter or track.
- ㉘ **CLOCK**
  - Standby mode
    - \*– sets the system clock.
  - Playback mode
    - displays the system clock.
- ㉙ **▲**
  - opens or closes the disc tray.
- ㉚ **ANGLE**
  - selects a DVD camera angle.
- ㉛ **MUTE**
  - to interrupt or resume sound reproduction.

**Notes for remote control:**

- **First, select the source you wish to control by pressing one of the source select keys on the remote control (DISC or TUNER, for example).**
- **Then select the desired function (▶|| ◀, ▶| for example).**

# Getting Started

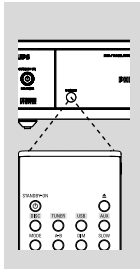
## Step 1: Inserting batteries into the Remote Control



- 1 Open the battery compartment.
- 2 Insert two AAA batteries following the indications (+/-) inside the compartment.
- 3 Close the cover.

### Using the Remote Control to operate the Player

- 1 Aim the Remote Control directly at the remote sensor (IR) on the front panel.
- 2 Do not put any objects between the Remote Control and the DVD Player while operating the DVD Player:



### CAUTION!

- Remove batteries if they are exhausted or if the Remote Control is not being used for a long time.
- Do not use old and new or different types of batteries in combination.
- Batteries contain chemical substances, so they should be disposed of properly.

## Step 2: Setting up the TV

### IMPORTANT!

Make sure you have completed all the necessary connections. (See “Connecting TV”).

- 1 Switch the DVD system on and then select DISC source. (See “Switching the system on/off”).
- 2 Turn on the TV and set to the correct video-in channel. You should see the blue Philips DVD background screen on the TV.

→ Usually these channels are between the lowest and highest channels and may be called FRONT, A/V IN, or VIDEO. See your TV manual for more details.

→ Or, you may go to channel 1 on your TV, then press the Channel down button repeatedly until you see the Video In channel.

→ Or, the TV Remote Control may have a button or switch that chooses different video modes.

→ Or, set the TV to channel 3 or 4 if you are using an RF modulator.

### Setting up Progressive Scan feature (for Progressive Scan TV only)

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

### IMPORTANT!

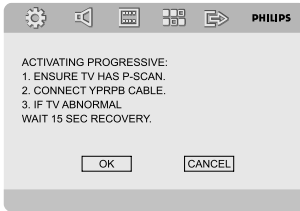
#### Before enabling the progressive scan feature, you must ensure:

- 1) Your TV can accept progressive signals, a progressive scan TV is required.
- 2) You have connected the DVD player to your TV using Y Pb Pr (see “Connections-Step 5: Connecting TV- Using Component Video jacks”).

- 1 Turn on your TV.
- 2 Turn off your TV progressive scan mode or turn on interlaced mode (refer to your TV user manual).
- 3 Press **ECO POWER/STANDBY-ON**  $\downarrow$  to turn on the DVD player.
- 4 Select the correct Video Input channel.
  - The DVD background screen appears on the TV.
- 5 Press **SYSTEM MENU**.



- 6 Press ◀ ▶ repeatedly to select "VIDEO SETUP PAGE".
- 7 Select "TV MODE" to "PROGRESSIVE", then **OK** to confirm.  
→ The instruction menu appears on the TV.

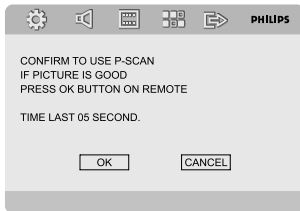


- 1 Turn off your TV progressive scan mode or turn on to interlaced mode (refer to your TV user manual).
- 2 Press **SYSTEM MENU** on the remote to exit the system menu and then **DISC** and "1" to exit progressive scan.  
→ The DVD blue background screen will appear on the TV.

**Note:**

– During normal playback in the progressive scan mode, pressing **DISC** button and "1" will exit the progressive scan mode.

- 8 Press ◀ ▶ to highlight OK in the menu and press **OK** to confirm.  
**There will be a distorted picture on your TV at this state until you turn on the progressive scan mode on your TV.**
- 9 Turn on your TV progressive scan mode (refer to your TV user manual).  
→ The below menu appears on the TV.



- 10 Press ◀ ▶ to highlight OK in the menu and press **OK** to confirm.  
→ The setup is complete now and you can start enjoy the high quality picture.

## To deactivate Progressive manually

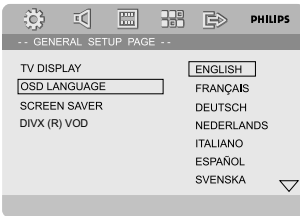
- **When the distorted sign still appears on the TV**, it may be due to the connected TV does not accept progressive signals, and progressive is set by mistake. You must reset the unit to interlace format.

# Getting Started

## Step 3: Setting language preference

You can select your own preferred language settings. This DVD system will automatically switch to the selected language whenever you load a disc. If the language selected is not available on the disc, the disc's default language will be used instead. The OSD language in the system menu will remain once selected.

### Setting the OSD Language

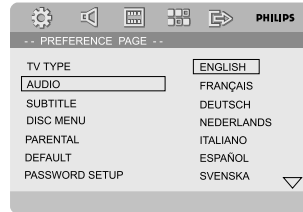


- 1 Press **SYSTEM MENU**.
- 2 Press ◀▶ to select "GENERAL SETUP PAGE".
- 3 Use ◀▶▲▼ on the remote to navigate in the menu. Move to "OSD LANGUAGE" and press ▶.
- 4 Select a language and press **OK**.

#### To exit from the menu

- Press **SYSTEM MENU** again.

### Setting the Audio, Subtitle and Disc Menu language



- 1 Press **SYSTEM MENU** in stop mode.
- 2 Press ◀▶ to select "PREFERENCE PAGE".
- 3 Press ▲▼ to highlight the following in the Preference Page.
  - "AUDIO" (disc's soundtrack)
  - "SUBTITLE" (disc's subtitles)
  - "DISC MENU" (disc's menu)
- 4 Enter its submenu by pressing ▶.
- 5 Select a language and press **OK**.
- 6 Repeat steps 3~5 for other language settings.

#### To exit from the menu

- Press **SYSTEM MENU** again.



## Switching the system on/off

- Press **ECO POWER/STANDBY-ON** .
- Press **DISC, TUNER, USB** or **AUX** on the remote control.  
→ The system will switch to the selected source.

## To switch the system to standby mode

- Press **ECO POWER/STANDBY-ON** .

## Switching the system to Eco Power Standby mode

- Press **ECO POWER/STANDBY-ON**  in active mode.  
→ The system enters Eco power standby (the ECO POWER LED is on) or normal standby mode with clock display.
- The interactive sound settings, last selected source and tuner presets will be retained in the player's memory.
- If the system is in normal standby mode with clock display, press and hold **ECO POWER/STANDBY-ON**  for 3 seconds or more to switch to Eco power standby or vice versa.

## Volume control

Turn **VOLUME (-/+)** clockwise or anticlockwise (or press **VOL +/-** on the remote) to increase or decrease the volume level.  
→ "VOL xx" is displayed on the display panel. "xx" denotes the volume level.

## To switch off the volume temporarily

- Press **MUTE** on the remote.  
→ Playback will continue without sound and "MUTING" flashes.
- To activate sound reproduction, you can:
  - press **MUTE** again;
  - adjust the volume controls;
  - change source.

## Sound control

**DBB, DSC and LOUDNESS sound features cannot be activated at the same time.**

## DBB (Dynamic Bass Boost)

DBB enhances the bass response.

- Press **DBB** on the remote control to enable/disable DBB feature.  
→ Some discs might be recorded in high modulation, which causes a distortion at high volume. If this occurs, switch off DBB or reduce the volume.


## DSC (Digital Sound Control)

DSC provides a different type of preset sound equalizer setting.

- Press **DSC** on the remote control repeatedly to select: FLAT, POPS, JAZZ, CLASSIC or ROCK.

## LOUDNESS

LOUDNESS feature enables the system to automatically increase the treble and bass sound effect at low volume (the higher the volume, the lower the treble and bass increase).

- Press **LOUDNESS** on the remote to enable or disable LOUDNESS feature.  
→  icon appears/disappears after this feature is enabled/disabled.

## Dimming the display screen

- Press **DIM** repeatedly to select different levels of brightness for the display screen.

## Demonstration mode

The system has a demonstration mode that shows the various features offered by the system.

### To activate the demonstration

- In standby mode, press **PRESET/■** on the system to activate the demo mode.  
→ Demonstration will begin.

### To deactivate the demonstration

- Press **PRESET/■** on the system again.  
→ "DEMO OFF" is displayed.

### Note:

- Even if you remove the AC power cord and reconnect it to the wall socket, the demonstration will remain off until you activate it again.

# Disc Operations

## IMPORTANT!

- Depending on the DVD or VIDEO CD, some operations may be different or restricted.
- Do not push on the disc tray or put any objects other than disc on the disc tray. Doing so may cause the disc player malfunction.
- If the inhibit icon (⊘) appears on the TV screen when a button is pressed, it means the function is not available on the current disc or at the current time.

## Playable Discs

Your DVD Player will play:

- Digital Video Discs (DVDs)
- Video CDs (VCDs)
- SuperVideo CDs (SVCDs)
- Digital Video Discs + Rewritable (DVD+RW)
- Compact Discs (CDs)
- Picture (Kodak, JPEG) files on CDR(W)
- DivX(R) disc on CD-R(W):
- DivX 3.11, 4.x and 5.x
- DivX Uita
- WMA
- Supported MP3-CD format.
- ISO 9660 / UDF format
- Max. title/album name –12 characters
- Max. title number plus album is 255.
- Max. nested directory is 8 levels.
- The max. album number is 32.
- The max. MP3 track number is 999.
- Supported sampling frequencies for MP3 disc: 32 kHz, 44.1 kHz, 48 kHz.
- Supported Bit-rates of MP3 disc are: 32, 64, 96, 128, 192, 256 (kbps).
- Following formats can't be supported
- The files like \*.VMA, \*.AAC, \*.DLF, \*.M3U, \*.PLS, \*.WAV
- Non-English Album/Title name
- The discs recorded under Joliet format
- MP3 Pro and MP3 with ID3 tag



## Region Codes

DVDs must be labeled as shown below in order to play on this DVD system. You cannot play discs that are labeled for other regions.



Note:

- If you are having trouble playing a certain disc, remove the disc and try a different one. Improper formatted disc will not play on this DVD Player.

## Playing discs

- 1 Connect the power cords of the system and TV (or any optional stereo or AV receiver) to a power outlet.
- 2 Turn on the TV power and set to the correct Video In channel. (See "Setting up the TV").
- 3 Press **ECO POWER/STANDBY-ON** ⊕ on the DVD Player front panel or ⊕ on the remote.
  - You should see the blue Philips DVD background screen on the TV.
- 4 Press **OPEN•CLOSE** ▲ to open the disc tray and load in a disc, then press the same button again to close the disc tray.
  - Make sure the label side is facing up.
- 5 Playback will start automatically (depending on the disc type).
  - If a disc menu appears on the TV, see "Using the Disc Menu".
  - If the disc is locked by parental control, you must enter your four-digit password. (See "PASSWORD SETUP PAGE").
- 6 At any time, simply press **PRESET/■** (■ on the remote control) to stop playback.

## Using the Disc Menu

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

### To select a playback feature or item

- Use ◀▶▲▼ and **OK** or **Numeric Keypad (0-9)** on the remote.  
→ Playback will start automatically.

### To access or exit from the menu

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

### For VCD with Playback Control (PBC) feature (version 2.0 only)

PBC playback allows you to play Video CDs interactively, following the menu on the display.

- During playback, press **DISC MENU**.  
→ If PBC was ON, it will switch to OFF and continue playback.  
→ If PBC was OFF, it will switch to ON and return to menu screen.

## Basic playback controls

### Pausing playback (DVD/VCD/CD/MP3/DivX/WMA)

- 1 During playback, press ▶|| .  
→ Playback will pause and sound will be muted.
- 2 Press ▶|| again to resume.

### Selecting a track/chapter/title (DVD/VCD/DivX/CD)

- 1 Press ▶ during playback to go to the next chapter/track
- 2 Press ◀ to go to the previous chapter/track.
- 3 To go directly to any chapter/track/title, enter the chapter/track/title number using the **Numeric Keypad (0-9)**.

### Resuming playback from the last stopped point (DVD/VCD/CD)

- In stop mode and when a disc has not been removed, press ▶|| .

### To cancel resume mode

- In stop mode, press **PRESET-/■** (■ on the remote) again.

### Zoom (DVD/VCD/DivX/JPEG)

Zooming allows you to enlarge or reduce the video image during playback.

- 1 Press **ZOOM** repeatedly to enlarge or reduce the playback video image.
- 2 Press ◀▶▲▼ to pan across the TV screen.

### Repeat (DVD/VCD/CD/MP3/DivX/WMA)

#### For DVD/VCD/CD

- Press **MODE** repeatedly to choose a repeat mode during playback.

#### CHAPTER (DVD)

– to repeat playback of the current chapter.

#### TRACK (CD/VCD)/TITLE (DVD)

– to repeat playback of the current track (CD/SVCD/VCD)/title (DVD).

#### ALL

– to repeat playback of all the disc.

#### SHUFFLE

– to repeat playback at random order.

#### For MP3/WMA/DivX

- Press **MODE** continuously to access different repeat modes.  
→ **Shuffle**: play all files in the selected folder in random order.  
→ **Repeat One**: play an MP3/WMA file repeatedly.  
→ **Repeat All**: play all files repeatedly.  
→ **Off**: switches off the shuffle or repeat mode.

# Disc Operations

## Repeat A-B (DVD/VCD/CD/MP3/DivX/WMA)

- 1 Press **A-B** at your chosen starting point.
- 2 Press **A-B** again at your chosen end point.  
→ The section A and B can be set only within the same chapter/track.  
→ The section will now repeat continuously.
- 3 To exit the sequence, press **A-B** again.

## Slow Motion (DVD/VCD)

- 1 Press **SLOW** on the remote control during playback to select the required speed: 1/2, 1/4, 1/8 or 1/16 (backward or forward).  
→ Sound will be muted.
- 2 To return to normal speed, press **▶ II**.

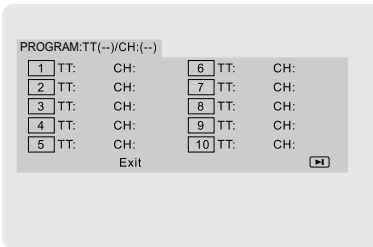
### Note:

– *Slow backward is not possible on VCDs.*

## Program (not for Picture CD)

To select favourite tracks/chapters for playback in preferred sequence.

### For DVD/VCD/CD



(DVD program for example)

- 1 Press **PROGRAM** on the remote to enter the program mode.
- 2 Use the **Numerical Keypad (0-9)** to directly input the tracks or chapters (single track number with digit "0" in front, for example "05").
- 3 Move the cursor by pressing **◀▶▲▼** to select START.
- 4 Press **OK** to start playback.

### For MP3/WMA

- 1 In Stop mode, press **DISC MENU** to switch the menu between Album and Filelist.
- 2 When Filelist is on the screen, press **▲▼** to select the files and press **PROGRAM** to add the files to the program list.
- 3 Press **DISC MENU** to display the program list.
- 4 Press **PROGRAM** to delete unwanted files from the program list.

## Forward/Reverse Searching (DVD/VCD/DivX/CD/MP3/WMA)

- 1 Press **◀▶** on the remote control during playback to select the required speed: 2X, 4X, 8X, 16X or 32X (backward or forward).
- 2 To return to normal speed, press **▶ II**.

## Time search & search by chapter/track number (DVD/VCD/CD/MP3/WMA)

- 1 Press **GOTO** until the time or chapter/track edit box appears.
- 2 Enter hours, minutes and seconds from left to right in the time edit box using remote control numerical keypad.

### OR

Enter your desired chapter/track number in the chapter/track edit box using remote control numerical keypad.

## Information display during playback (not for Picture CD)

- 1 During playback, press **DISPLAY** to show disc information on the TV screen.

### For DVD

- **Title/Chapter Elapsed:** displays the elapsed time of the current title/chapter.
- **Title/Chapter Remain:** displays the remaining time of the current title/chapter.
- **Display Off:** switches time display off.

## For SuperVCD/VCD/DivX/CD

- **Single/Total Elapsed:** displays the elapsed time of the current single/total track.
- **Single/Total Remain:** displays the remaining time of the current single/total track.
- **Display Off:** switches time display off.

## Special disc features

### Playing a Title (DVD)

- 1 Press **DISC MENU**.  
→ The disc title menu appears on the TV screen.
- 2 Use ◀▶▲▼ or **Numeric Keypad (0-9)** to select a play option.
- 3 Press **OK** to confirm.

### Camera Angle (DVD)

- Press **ANGLE** repeatedly to select different desired angle.

### Changing the Audio Language (for DVD recorded with multiple languages)

- Press **AUDIO** repeatedly to select different audio languages.

### Changing the Audio Channel (for VCD /DivX only)

- Press **AUDIO** to select the available audio channels provided by the disc (Mono Left, Mono Right or Stereo).

### Subtitles (DVD)

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

## Playing MP3/WMA/JPEG Picture CD

### IMPORTANT!

**You have to turn on your TV and set to the correct Video In channel. (See "Setting up the TV").**

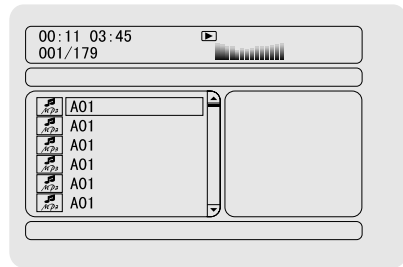
## Playing MP3/WMA disc

### IMPORTANT!

**For DRM protected WMA files, use Windows Media Player 10 (or later) for CD burning/conversion. Visit [www.microsoft.com](http://www.microsoft.com) for details about Windows Media Player and WM DRM (Windows Media Digital Rights Management).**

### General operation

- 1 Load an MP3/WMA disc.  
→ The data disc menu appears on the TV screen.
- 2 Use ▲▼ to select an album and press **OK** to open the album.



- 3 Press ▲▼ or use the **Numeric Keypad (0-9)** to highlight a track.
- 4 Press **OK** to confirm.  
→ The playback will start from the selected track to the end of the album.

### Note:

- The disc reading time may exceed 10 seconds due to large number of songs compiled onto the disc.

### Playback selection

During playback, you can:

- Press ◀▶/▶ to select another track in the current album.
- Press ▶|| repeatedly to pause/resume playback.
- Press **DISC MENU** on the remote to switch between Album and Filelist.

# Disc Operations

## Playing JPEG Picture CD

### General operation

- 1 Load a JPEG Picture CD.  
→ The data disc menu appears on the TV screen.
- 2 Use ▲▼ to select a folder and press **OK** to open the folder.
- 3 Press ▲▼ or use the **Numeric Keypad (0-9)** to highlight a picture file.
- 4 Press **OK** to confirm.  
→ The playback will start from the selected picture to the end of the folder.

### Playback selection

During playback, you can:

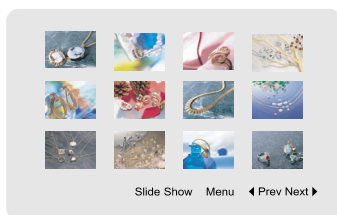
- Press ◀ / ▶ to select another file in the current folder.
- Use ◀▶▲▼ on the remote to rotate/flip the picture files.
- Press ▶ || repeatedly to pause/resume playback.
- Press **DISC MENU** on the remote to switch between Folder and Filelist.

## Special JPEG features

### Preview function (JPEG)

This function shows the content of the current folder or the whole disc.

- 1 Press **PRESET-/■** (■ on the remote) during playback.  
→ Thumbnails of 12 pictures appears on the TV screen.



- 2 Use ◀▶▲▼ to highlight one of the pictures/ "Slide Show" and press **OK** to start playback/ slide show.

### To enter the remote key function menu

- 2 Use ◀▶▲▼ to highlight "Menu" and press **OK**.

	Remote Key Function
Program	Transition Effect
Stop	Thumbnail Mode
▶	Next Picture
◀	Previous Picture
Play	Picture Mode
^	Invert
v	Mirror

Continue

### To display the other pictures on the previous/next page

- Press ◀ / ▶.
- 2 Use ◀▶▲▼ to highlight "Prev" or "Next" and press **OK**.

### Zoom picture (JPEG)

- During playback, press **ZOOM** repeatedly to display the picture with different scales.
- 2 Use ◀▶▲▼ to view the zoomed picture.

### Slide show playback modes (JPEG)

- During playback, press **PROGRAM** on the remote control repeatedly to select different slide-show playback modes:

Mode 0: None  
 Mode 1: Wipe Top  
 Mode 2: Wipe Bottom  
 Mode 3: Wipe Left  
 Mode 4: Wipe Right  
 Mode 5: Diagonal Wipe Left Top  
 Mode 6: Diagonal Wipe Right Top  
 Mode 7: Diagonal Wipe Left Bottom  
 Mode 8: Diagonal Wipe Right Bottom  
 Mode 9: Extend From Center H  
 Mode 10: Extend From Center V  
 Mode 11: Compress To Center H  
 Mode 12: Compress To Center V  
 Mode 13: Window H  
 Mode 14: Window V  
 Mode 15: Wipe From Edge To Center  
 Mode 16: Move In From Top



## Playback with multi-angles (JPEG)

- During playback, press ◀▶▲▼ to rotate the picture on the TV screen.
  - ▲: flip the picture vertically.
  - ▼: flip the picture horizontally.
  - ◀: rotate the picture anti-clockwise.
  - ▶: rotate the picture clockwise.

## Playing a DivX disc

This DVD player supports the DivX movie playback that you download from your computer onto a CD-R/RW (see "System Menu Options-DIVX(R) VOD registration code" for more information).

- 1 Load a DivX disc.
    - Playback will start automatically. If not press ▶ II.
  - 2 If the DivX movie contains external subtitles, the subtitle menu will appear on the TV screen for your selection.
- In this case, pressing **SUBTITLE** on the remote control will turn on or off the subtitle.
  - If multilingual subtitles are embedded on the DivX disc, pressing **SUBTITLE** will change the subtitle language during playback.

### Note:

- Subtitle files with the following filename extensions (.srt, .smi, .sub, .ssa, .ass) are supported but do not appear on the file navigation menu.
- The subtitle filename have to be the same as the filename of the movie.

# System Menu Options

## Basic operations

- 1 Press **SYSTEM MENU** to enter the Setup Menu.
- 2 Press **◀▶** to select a page to be set.
- 3 Press **▲▼** to highlight an option.
- 4 Enter its submenu by pressing **▶** or **OK**.
- 5 Move the cursor by pressing **▲▼** to highlight the selected item.  
→ In cases of value setting, press **◀▶** to adjust values.
- 6 Press **OK** to confirm.

### To return to the upper-level menu

- Press **◀** or **OK** (in cases of value adjustment).

### To exit from the menu

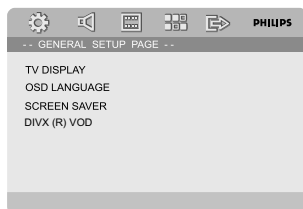
- Press **SYSTEM MENU** again.  
→ The settings will be stored in the player's memory even if the player is switched off.

#### Note:

– Some of the features in the System Menu Options are described in "Getting Started".

## GENERAL SETUP PAGE

The options included in General Setup page are: "TV DISPLAY", "OSD LANGUAGE", "SCREEN SAVER" and "DIVX(R) VOD".



### TV DISPLAY

Set the aspect ratio of the DVD Player according to the TV you have connected.

→ **4:3 PAN SCAN**: If you have a normal TV and want both sides of the picture to be trimmed or formatted to fit your TV screen.



→ **4:3 LETTER BOX**: If you have a normal TV. In this case, a wide picture with black bands on the upper and lower portions of the TV screen will be displayed.



→ **16:9**: If you have a wide-screen TV.

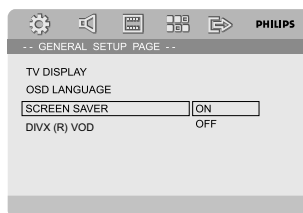


### OSD LANGUAGE

See "Getting Started-Step 3: Setting language preference".

### SCREEN SAVER

This function is used to turn the screen saver on or off.



→ **ON**: In STOP, PAUSE or No DISC mode, if no actions are performed about 3 minutes, the screen saver will be activated.

→ **OFF**: Screen saver is disabled.

## DIVX(R) VOD

Philips provides you the DivX® VOD (Video On Demand) registration code that allows you to rent and purchase videos using the DivX® VOD service.

For more information, visit us at [www.divx.com/vod](http://www.divx.com/vod).

- 1 In '**GENERAL SETUP PAGE**', press **▲ ▼** to highlight DIVX(R) VOD, then press **▶** or **OK** to enter its submenu and press **OK** again to confirm.

→ The registration code will appear:



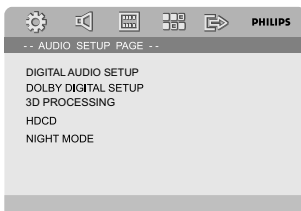
- 2 Press **OK** to exit.
- 3 Use the registration code to purchase or rent the videos from DivX® VOD service at [www.divx.com/vod](http://www.divx.com/vod). Follow the instructions and download the video onto a CD-R for playback on this DVD player.

### Notes:

- All the downloaded videos from DivX® VOD can only be played back on this DVD player.
- Time search feature is not available during DivX movie playback.

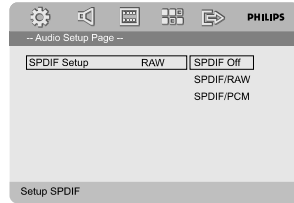
## AUDIO SETUP PAGE

The options included in AUDIO SETUP PAGE are: "DIGITAL AUDIO SETUP", "DOLBY DIGITAL SETUP", "3D PROCESSING", "HDCD" and "NIGHT MODE".



## DIGITAL AUDIO SETUP

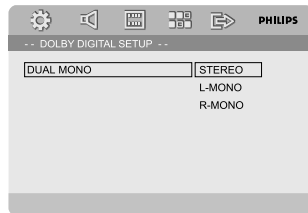
The options included in DIGITAL AUDIO SETUP page are: "SPDIF OFF", "SPDIF/RAW" and "SPDIF/PCM".



- **SPDIF OFF**: Turns off the SPDIF output.
- **SPDIF/RAW**: If you have connected your DIGITAL OUT (COAXIAL or OPTICAL) to a multi-channel decoder/receiver.
- **SPDIF/PCM**: Only if your receiver is not capable of decoding multi-channel audio.

## DOLBY DIGITAL SETUP

The option included in Dolby Digital Setup is: "DUAL MONO".



### DUAL MONO

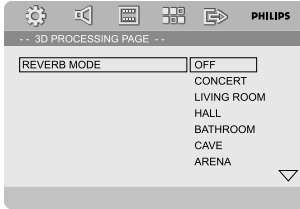
Select the setting that matches the number of speakers you have connected.

- **STEREO**: Left mono sound will send output signals to Left speaker and Right mono sound will send output signals to Right speaker.
- **L-MONO**: Left mono sound will send output signals to Left speaker and Right speaker.
- **R-MONO**: Right mono sound will send output signals to Left speaker and Right speaker.

# System Menu Options

## 3D PROCESSING

The option included in 3D PROCESSING page is: "REVERB MODE".



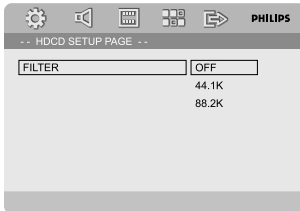
### REVERB MODE

Reverb mode provides a virtual surround sound experience using just two speakers.

→ **OFF, CONCERT, LIVING ROOM, HALL, BATHROOM, CAVE, ARENA** and **CHURCH.**

## HDCD

The option included in HDCD (High Definition Compatible Digital) is: "FILTER".



### FILTER

Sets the audio output cutoff frequency point when playing an HDCD disc.

→ **OFF, 44.1K** and **88.2K.**

## NIGHT MODE

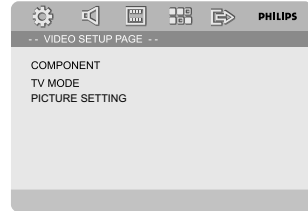
In this mode, the high volume outputs are softened and low volume outputs are brought upward to an audible level. It is useful for watching your favourite action movie without disturbing others at night.

→ **ON:** Select this to level out the volume. This feature is only available for movies with Dolby Digital mode.

→ **OFF:** Select this when you want to enjoy the surround sound with its full dynamic range.

## VIDEO SETUP PAGE

The options included in VIDEO SETUP PAGE are: "COMPONENT", "TV MODE" and "PICTURE SETTING".



### COMPONENT

Sets the video output according to your video connection. This setting is not required if you are using the **VIDEO** jack (yellow) to connect the DVD micro system to your TV.

→ **S-VIDEO:** Select this if you have connected the DVD micro system to your TV using S-Video jack.

→ **Pr/Cr Pb/Cb Y:** Select this if you have connected the DVD micro system to your TV using Component video jacks.

→ **RGB:** Select this for SCART connection.

#### Note:

– *When the player is set to Y Pb Pr (YUV), some TV may not properly synchronise with the player on the SCART connector.*

### TV MODE

Selects interlace or P-SCAN video output mode when **Pr/Cr Pb/Cb Y** is selected.

→ **PROGRESSIVE** and **INTERLACE.**

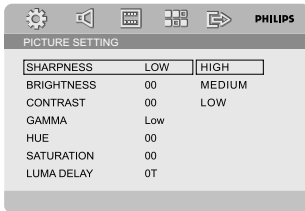
In the progressive scan mode, you can enjoy the high quality picture with less flickers. It only works when you have connected the DVD player's Y Pb Pr jacks to your TV that supports the progressive video input. Otherwise, a distorted picture will appear on the TV. For proper progressive scan set up, see "Getting started-Setting up Progressive Scan feature".

## PICTURE SETTING

This menu helps you to set the video quality.

- 1 Press ▲▼ to highlight "PICTURE SETTING".
- 2 Press ► or **OK** to enter PICTURE SETTING.

The options included in PICTURE SETTING page are: "SHARPNESS", "BRIGHTNESS", "CONTRAST", "GAMMA", "HUE", "SATURATION" and "LUMA DELAY".



### SHARPNESS

Adjusts the sharpness level.

→ **HIGH, MEDIUM** and **LOW**.

### BRIGHTNESS

Adjusts the brightness level. Range: -20-+20.

### CONTRAST

Adjusts the contrast level. Range: -16-+16.

### GAMMA

Adjusts the gamma level.

→ **HIGH, MEDIUM, LOW** and **NONE**.

### HUE

Adjusts the hue level. Range: -9-+9.

### SATURATION

Adjusts the saturation level. Range: -9-+9.

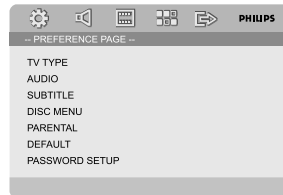
### LUMA DELAY

Adjusts the luma delay.

→ **0T** and **1T**.

## PREFERENCE PAGE

The options included in Preference page are: "TV Type", "AUDIO", "SUBTITLE", "DISC MENU", "PARENTAL", "DEFAULT" and "PASSWORD SETUP".



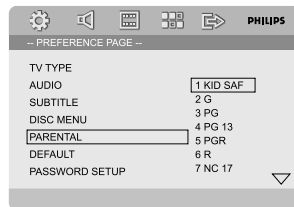
### Note:

- Preference features can be selected only during "No Disc" condition or full STOP mode.

## PARENTAL

Some DVDs may have a parental level assigned to the complete disc or to certain scenes on the disc. This feature lets you set a playback limitation level.

The rating levels are from 1 to 8 and are country dependent. You can prohibit the playing of certain discs that are not suitable for your children or have certain discs played with alternative scenes.



- VCD, SVCD and CD have no level indication, so parental control function has no effect on those kinds of discs. This applies to most illegal DVD discs.
- 1 Press ▲▼ to highlight "PARENTAL".
- 2 Enter its submenu by pressing ►.
- 3 Use ▲▼ to highlight a rating level for the disc inserted.
  - DVDs that are rated above the level you selected will not play unless you enter your four-digit password and choose a higher level rating.

# System Menu Options

## Note:

– 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 work for such Discs.

## Rating explanations

### 1 KID SAF

– Kids material; recommended especially for children and viewers of all ages.

### 2 G

– General Audience; recommended as acceptable for viewers of all ages.

### 3 PG

– Parental Guidance suggested.

### 4 PG 13

– Material is unsuitable for children under age 13.

### 5-6 PGR, R

– Parental Guidance - Restricted; recommended that parents restrict children under 17 from viewing or allow to view only when supervised by a parent or adult guardian.

### 7 NC-17

– No children under age 17; not recommended viewing for children under age 17.

### 8 Adult

– Mature materials; should be viewed only by adults due to graphic sexual material, violence or language.

## DEFAULT

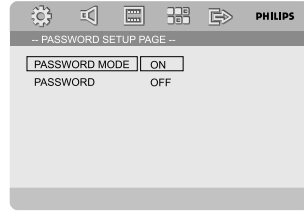
Setting the “DEFAULT” function will reset all options and your personal settings to the factory defaults and all your personal settings will be erased.

## Caution!

– **When this function is activated, all settings will be reset to factory defaults.**

## PASSWORD SETUP

The options included in Password Setup page are: “PASSWORD MODE” and “PASSWORD”.



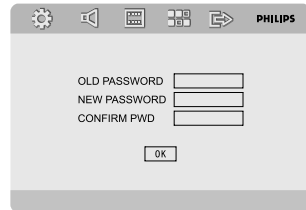
## PASSWORD MODE

This feature is used to enable/disable password by selecting “ON”/“OFF”.

## PASSWORD

Enter your four digit password when a hint is displayed on the screen. The default password is 1234.

- 1 Press ▲▼ to highlight “PASSWORD”.
- 2 Enter its submenu by pressing ►.
- 3 Press **OK** to open the page for inputting a new password.



- 4 Enter the existing 4-digit code.
- 5 Enter the new 4-digit code.
- 6 Enter the new 4-digit code a second time to confirm.  
→ The new 4-digit code will take effect.
- 7 Press **OK** to exit.

## Notes:

- If the password has been changed, the parental and disc lock code will also be changed.
- The default password (1234) is always active even the password has been changed.

## Radio Reception

### Tuning to radio stations

- 1 Press **ECO POWER/STANDBY-ON**  $\odot$  to switch on the last selected source.
- 2 Press **SOURCE (TUNER** on the remote control) to select TUNER (FM) mode.
- 3 Press and hold  $\blacktriangleleft / \blacktriangleright$  (or  $\blacktriangleleft / \blacktriangleright$  on the remote control) until the frequency indication starts to change, then release.  
→ The system automatically tunes to the next strong radio station.
- To tune to a weak station, press  $\blacktriangleleft / \blacktriangleright$  (or  $\blacktriangleleft / \blacktriangleright$  on the remote control) briefly and repeatedly until an optimal reception is found.
- 4 Repeat Step 3 if necessary until you find the desired radio station.

### Presetting radio stations

You can preset up to 40 stations regardless of the reception.

### Automatic programming

- Press **PROGRAM** on the remote for more than two seconds to activate programming.  
→ All available stations are programmed.

### Manual programming

- 1 Tune to your desired radio station (refer to "Tuning to radio stations").
- 2 Press **PROGRAM** on the remote.  
→ "PRPG" icon flashes.
- 3 Press **PRESET+** or **PRESET-/■** (or  $\blacktriangleleft / \blacktriangleright$  on the remote control) to select the desired preset number.  
→ If "PRPG" icon goes off before you select the desired preset number; press **PROGRAM** on the remote.
- 4 Press **PROGRAM** on the remote again to store the radio station.
- Repeat steps 1-4 to store other radio stations.

### Listening to preset radio stations

- In tuner mode, press **PRESET+** or **PRESET-/■** (or  $\blacktriangleleft / \blacktriangleright$  on the remote control) to select the desired preset number.  
→ The preset number, radio frequency, and waveband are displayed.

## RDS

**Radio Data System** is a service that allows FM stations to show additional information. If you are receiving a RDS station, **RDS** and the station name are displayed.

When automatic programming is used, RDS stations will be programmed first.

### Scrolling through different RDS information

- Press **RDS** briefly and repeatedly to scroll through the following information (if available):
  - Station name
  - Radio text messages
  - Frequency

### Setting the RDS clock

Some RDS radio station may be transmitting a real clock time at an interval of every minute. It is possible to set the clock by using a time signal which is broadcast together with the RDS signal.

- 1 Tuned to an RDS station from FM band (refer to "Tuning to radio stations").
- 2 Press and hold **RDS** for more than two seconds.
- 3 Press **RDS** again.  
→ "SEARCH TM" is displayed.  
→ When RDS time is read, "RDS" and RDS time value are displayed and the current time will be stored.

#### Note:

- Some RDS radio station may be transmitting a real time clock at a minute interval. The accuracy of the transmitted time depends on the transmitting RDS radio station.

# Other Functions

## Setting the clock

- 1 In Standby mode, press and hold **CLOCK** on the remote until the time flashes on the display. → "CLOCK SET" is displayed briefly. Then, the hour digits flash on the display screen.
- 2 Turn **VOLUME +/-** clockwise or anticlockwise or press **VOL +/-** on the remote to set the hours.
- 3 Press **CLOCK** to confirm. → The minute digits flash on the display screen.
- 4 Turn **VOLUME +/-** clockwise or anticlockwise or press **VOL +/-** on the remote to set the minutes.
- 5 Press **CLOCK** again to confirm the clock setting.

### Notes:

- This system only supports 24-hour mode.
- The clock setting will be erased when the system is disconnected from the power supply.
- The system will exit clock setting mode if no button is pressed within 30 seconds.

## Setting sleep/wake-up timer

### Sleep timer setting

In power-on mode, the sleep setting enables the system to switch to standby mode automatically at a preset time.

- 1 In power-on mode, press **SLEEP/TIMER** on the remote repeatedly to select a preset time. → The selections are as follows (time in minutes):  
00 → 10 → 20 → 30 → 40 → 50 → 60 → 70 → 80 → 90 → 00
- 2 When you reach the desired length of time, stop pressing **SLEEP/TIMER**. → "SLEEP" appears.

### To deactivate the sleep timer


- Press **SLEEP/TIMER** repeatedly until "00" is displayed, or press **ECO POWER/STANDBY-ON** .

In standby mode, the timer setting enables the system to switch on automatically at a set time.

### Wake-up timer setting

#### IMPORTANT!

– Before setting the timer, ensure that the clock is set correctly.

- 1 Press and hold **SLEEP/TIMER** until the time flashes on the display. → "TIME SET" scrolls. Then, the hour digits flash on the display screen.
- 2 Turn **VOLUME +/-** clockwise or anticlockwise or press **VOL +/-** on the remote to set the hours.
- 3 Press **SLEEP/TIMER** to confirm. → The minute digits flash on the display screen.
- 4 Turn **VOLUME +/-** clockwise or anticlockwise or press **VOL +/-** on the remote to set the minutes.
- 5 Press **SLEEP/TIMER** to confirm the time setting. → "OFF" flashes on the display screen.
- 6 Turn **VOLUME +/-** clockwise or anticlockwise or press **VOL +/-** on the remote to select "ON". →  icon appears on the display screen.

### To deactivate the timer

- Select "OFF" at Step 6.



## Using a non-USB device

- 1 Connect the system's **AUX IN** jacks to the **AUDIO OUT** jacks on another audio/visual device (such as a VCR, Laser Disc player or cassette deck) using the audio cables (white/red).
- 2 Press **AUX** to select external equipment.  
→ "AUX" is displayed.

**Note:**

- All the sound control features (DSC or DBB, for example) are available for selection.
- Refer to the operating instructions for the connected equipment for details.

## Using a USB mass storage device

By connecting a USB mass storage device to the Hi-Fi system, you can enjoy the device's stored music through the powerful speakers of Hi-Fi system.

### Playing a USB mass storage device Compatible USB mass storage devices

With the Hi-Fi system, you can use:

- USB flash memory (USB 2.0 or USB1.1)
- USB flash players (USB 2.0 or USB1.1)
- memory cards (requires an additional card reader to work with this Hi-Fi system)

**Notes:**

- In some USB flash players (or memory devices), the stored contents are recorded using copyright protection technology. Such protected contents will be unplayable on any other devices (such as this Hi-Fi system).
- Compatibility of the USB connection on this product:
  - a) This product supports most USB Mass storage devices (MSD) that are compliant to the USB MSD standards.
    - i) Most common Mass storage class devices are flash drives, memory sticks, jump drives and etc.
    - ii) If you see a "Disc Drive" show up on your computer after you plugged the mass storage device into your computer, most likely it is MSD compliant and it will work with this product.

b) If your Mass storage device required a battery/power source. Please make sure you have a fresh battery in it or charge the USB device first and then plug it into the product again.

– Supported Music type:

a) This device only supports unprotected music with the following file extension:

.mp3

.wma

b) Music bought from on-line music stores are not supported because they are secured by Digital Rights Management protection (DRM).

c) File name extensions that end with the following are not supported:

.wav; .m4a; .m4p; .mp4; .aac and etc.

– No Direct connection can be made from Computer USB port to the product even you have either or both mp3 or wma files in your computer.

### Supported formats:

- USB or memory file format FAT12, FAT16, FAT32 (sector size: 512 bytes)
- MP3 bit rate (data rate): 32-320 Kbps and variable bit rate
- WMA v9 or earlier
- Directory nesting up to a maximum of 8 levels
- Number of albums/ folders: maximum 99
- Number of tracks/titles: maximum 999
- ID3 tag v2.0 or later
- File name in Unicode UTF8 (maximum length: 128 bytes)

### The system will not play or support the following:

- Empty albums: an empty album is an album that does not contain MP3/WMA files, and will not be shown in the display.
- Non-supported file formats are skipped. This means that e.g.: Word documents .doc or MP3 files with extension .dlf are ignored and will not be played.
- AAC, WAV, PCM audio files
- DRM protected WMA files
- WMA files in Lossless format

## External Sources

### How to transfer music files from PC to a USB mass storage device

By dragging and dropping music files, you can easily transfer your favorite music from PC to a USB mass storage device.

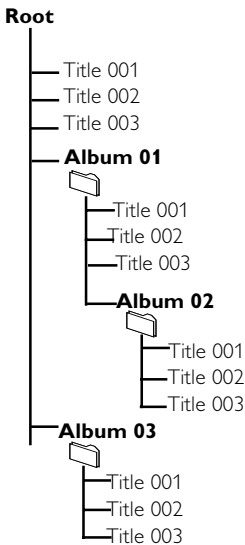
For the flash player, you can also use its music management software for the music transfer.

**However, those WMA files may be unplayable for compatibility reasons.**

### How to organize your MP3/WMA files on the USB mass storage device

This Hi-Fi system will browse the MP3/WMA files in the folders/sub-folders/titles order.

Example:



Organize your MP3/WMA files in different folders or subfolders as required.

Notes:

- If you have not organized MP3/WMA files into any albums on your disc, an album "01" will be automatically assigned for all those files.
- Make sure that the file names of MP3 files end with `.mp3`. and the file names of WMA files end with `.wma`.
- For DRM protected WMA files, use Windows Media Player 10 (or later) for conversion. Visit [www.microsoft.com](http://www.microsoft.com) for details about Windows Media Player and WM DRM (Windows Media Digital Rights Management).

- 1 Check the USB device has been properly connected. (See Installation: Connecting an additional appliance).
- 2 Press **SOURCE (USB)** on the remote) once or more to select USB.
  - `NO FILE` appears if no audio file is found in the USB device.
- 3 Play the USB's audio files as you do with the albums/tracks on a CD (See Disc Operations).

Notes:

- For compatibility reasons, the album/track information may differ from what it is displayed through flash players' music management software.
- File names or ID3 tags will be displayed as — if they are not in English.

## Amplifier

Rated output power ..... 2 x 50W RMS  
 Frequency response ..... 20 - 20000Hz, - 3dB  
 Signal to noise ratio ..... > 65dB  
 Aux input ..... 1V RMS 20kohm

## Disc

Laser type ..... Semiconductor  
 Disc diameter ..... 12cm/8cm  
 Video decoding ..... MPEG-1 / MPEG-2 / Divx  
 Video DAC ..... 12Bits  
 Signal system ..... PAL / NTSC  
 Video format ..... 4:3 / 16:9  
 Video S/N ..... > 48dB  
 Audio DAC ..... 24Bits / 96kHz  
 Total harmonic distortion ..... < 0.1% (1kHz)  
 Frequency response ..... 4Hz - 20kHz (44.1kHz)  
 ..... 4Hz - 22kHz (48kHz)  
 ..... 4Hz - 24kHz (96kHz)  
 S/N ratio ..... > 65dBA

## Tuner

FM tuning range ..... 87.5 - 108MHz  
 Tuning grid ..... 50KHz  
 Sensitivity  
 – Mono, 26dB S/N ratio ..... 5uV  
 – Stereo, 46dB S/N ratio ..... 100uV  
 Selectivity ..... > 28dB  
 Image rejection ..... > 25dB  
 Total harmonic distortion ..... < 3%  
 Signal to noise ratio ..... > 55dBA

## Speakers

Speaker impedance ..... 4 ohm  
 Speaker driver, base ..... 5"  
 Speaker driver, tweeter ..... 0.2"  
 Frequency response ..... 60 - 20000 Hz

## General information

Total output power ..... 2 x 75W RMS  
 AC power ..... 220V - 230V, 50Hz / 60Hz  
 Operation power consumption ..... 55W  
 Standby power consumption ..... < 7W  
 Eco standby power consumption ..... 1W  
 Composite video output ..... 1.0Vp-p, 75ohm  
 Coaxial output ..... 0.5Vpp ± 0.1Vpp 75ohm  
 Headphone output ..... 2 X 15mW, 32ohm  
 USB direct ..... Version 1.1  
 Dimensions  
 – Main unit (W x H x D) .....  
 ..... 240 x 160 x 230mm  
 – Speaker box (W x H x D) .....  
 ..... 160 x 270 x 220mm  
 Weight  
 – With packing ..... 15kg  
 – Main unit ..... 5.15kg  
 – Speaker box ..... 3.15kg


**Specifications subject to change without prior notice**

# Troubleshooting

## WARNING

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

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

Problem	Solution
<b>No power.</b>	<ul style="list-style-type: none"><li>✓ Check if the AC power cord is properly connected.</li><li>✓ Press <b>ECO POWER/STANDBY-ON</b>  to turn on the power.</li></ul>
<b>No picture.</b>	<ul style="list-style-type: none"><li>✓ Check if the TV is switched on.</li><li>✓ Check the video connection.</li><li>✓ Press SOURCE on the top of the DVD player repeatedly to select "DVD" or press DISC on the remote.</li><li>✓ Set your TV to the correct Video In channel. This channel is usually near channel 00. Or, you may have a button on the TV remote control that selects Auxiliary or A/V IN channel. See your TV owner's manual for details. Or, change channels at the TV until you see DVD screen on the TV.</li><li>✓ If the progressive scan feature is activated but the connected TV does not support progressive signals or the cables are not connected accordingly, see "Getting started-Setting up Progressive Scan feature" for proper progressive scan setup or deactivate the progressive scan feature as below:<ol style="list-style-type: none"><li>1) Turn off your TV progressive scan mode or turn on to interlaced mode.</li><li>2) Press SYSTEM MENU on the remote control to exit the system menu and then DISC and "1" to exit progressive scan.</li></ol></li></ul>
<b>Distorted or poor picture.</b>	<ul style="list-style-type: none"><li>✓ Sometimes a small amount of picture distortion may appear. This is not a malfunction.</li><li>✓ Clean the disc.</li></ul>
<b>Completely distorted picture or black/white picture.</b>	<ul style="list-style-type: none"><li>✓ TV has a colour system standard. If the disc's or DVD system's colour system is different than your TV's colour system, the picture may be distorted or colourless.</li></ul>

**The aspect ratio of the screen cannot be changed even though you have set the TV shape.**

- ✓ The aspect ratio is fixed on the DVD disc.
- ✓ Depending on the TV, it may not be possible to change the aspect ratio.

**No sound or distorted sound.**

- ✓ Adjust the volume.
- ✓ Check that the speakers are connected correctly.
- ✓ Replace the speaker cables.
- ✓ Disconnect the headphones.
- ✓ The system is in pause, slow motion or fast forward/reverse mode, press ► || to resume normal play mode.

**The micro DVD player does not start playback.**

- ✓ Insert a readable disc with the playback side facing down.
- ✓ Check the disc type, colour system and regional code. Check for any scratches or smudges on the disc.
- ✓ Press SYSTEM MENU to turn off the setup menu screen.
- ✓ Cancel the parental control rating function or change the rating level.
- ✓ Moisture has condensed inside the system. Remove the disc and leave the system turned on for about an hour.

**The DVD micro system does not respond when the buttons are pressed.**

- ✓ Disconnect the power plug from the outlet and insert again.

**Cannot activate some features, such as Angles, Subtitles, or multi-language Audio.**

- ✓ Multi-language sound or subtitle is not recorded on the DVD.
- ✓ Changing the language for the sound or subtitle is prohibited on the DVD.
- ✓ The features may not be available on the disc.

**Considerable noise in radio broadcasts.**

- ✓ Tune in to the correct frequency.
- ✓ Connect the antennas.
- ✓ Fully extend the FM wire antenna. Position for best reception and secure to a wall.
- ✓ Connect an outdoor FM antenna.
- ✓ Adjust the direction and position for best reception.
- ✓ Place the antenna farther away from any equipment that may be causing the noise.
- ✓ Increase the distance between the system and your TV or other equipment.

# Troubleshooting

## The remote control does not function.

- ✓ Select the correct source (DISC or TUNER, for example) before pressing the function button.
- ✓ Point the remote control at the remote sensor of the unit.
- ✓ Reduce the distance to the player.
- ✓ Remove any possible obstacles.
- ✓ Replace the batteries with new ones.
- ✓ Check that the batteries are loaded correctly.

## The display is dark.

- ✓ Press DIM again.

## Low hum or buzz sound.

- ✓ Place the DVD micro system as far away as possible from electrical devices that may be causing interference.

## Low bass response.

- ✓ Check all speakers for correct polarity.

## Unable to select Progressive Scan

- ✓ Check that the output of the video signal is switched to 'Pr/Cr Pb/Cb Y'.

## No sound and picture

- ✓ Check that the RGB/SCART cable is connected to the correct device (See Connecting TV).

## Some files on the USB device are not displayed.

- ✓ Check if the number of folders exceeds 99 or the number of titles exceeds 999.

## "DEVICE NOT SUPPORTED" scrolls on the display.

- ✓ Remove the USB mass storage device or select another source.

**Analog:** Sound that has not been turned into numbers. Analog sound varies, while digital sound has specific numerical values. These jacks send audio through two channels, the left and right.

**Aspect ratio:** The ratio of vertical and horizontal sizes of a displayed image. The horizontal vs. vertical ratio of conventional TVs is 4:3, and that of wide-screens is 16:9.

**AUDIO OUT Jacks:** Jacks on the back of the DVD System that send audio to another system (TV set, 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 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.

**Component Video Out Jacks:** Jacks on the back of the DVD System that send high-quality video to a TV set that has Component Video In jacks (R/G/B, Y/Pb/Pr, etc.).

**Disc menu:** A screen display prepared for the selection of images, sound, subtitles, multi-angles, etc recorded on a DVD.

**Digital:** Sound that has been converted into numerical values. Digital sound is available when you use the DIGITAL AUDIO OUT COAXIAL or OPTICAL jacks. These jacks send audio through multiple channels, instead of just two channels as analog does.

**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 and center).

**JPEG:** 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.

**MP3:** A file format with a sound data compression system, "MPE" is the abbreviation of Motion Picture Experts Group 1 (or MPEG-1) Audio Layer 3. Through the MP3 format, one CD-R or CD-RW can contain about 10 times as much data volume as a regular CD can.

**Multichannel:** DVD is specified to have all sound tracks constitute one sound field. Multichannel refers to a structure of sound tracks having three or more channels.

**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.

**PCM (Pulse Code Modulation):** A system for converting analog sound signal to digital signal for later processing without data compression.

**Playback control (PBC):** Refers to the signal recorded on video CDs or SVCDs for reproduction control. By using screen menus recorded on a Video CD or SVCD that supports PBC, you can enjoy interactive-type software as well as software having a search function.

**Progressive Scan (P-Scan):** It displays all the horizontal lines of a picture at one time, as a signal frame. This system can convert interlaced video from DVD into progressive format for connection to a progressive display. It dramatically increases the vertical resolution. A progressive scan TV set is needed to receive progressive scan output from the system.

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

**S-Video:** Produces a clear picture by sending separate signals for luminance and the color. You can use S-Video only if your TV set has S-Video In jack.

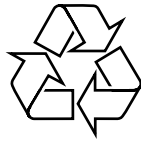
**Sampling Frequency:** Frequency of data sampling when analog data is converted to digital data. Sampling frequency numerically represents how many times the original analog signal is sampled per second.

**Surround:** A system for users to create realistic three-dimensional sound fields full of realism by arranging multiple speakers around the listener.

**Title:** The longest section of a picture or music feature on DVD, music, etc., in video software, or the entire album in audio software. Each title is assigned a title number enabling you to locate the title you want.

**VIDEO OUT jack:** Jack on the back of the DVD System that sends video to TV.

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