DVD HOME THEATER SYSTEM   HTS5510C

Thank you for choosing Philips.

Need help fast?

Read your Quick-Start Guide and/or User Manual first for quick
tips that make using your Philips product more enjoyable.
If you have read your instructions and still need assistance,
*you may access our online help at **www.philips.com/support***

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As an ENERGY STAR® partner; Philips has determined that this product meets the ENERGY STAR® guidelines for energy efficiency.

For Customer Use:

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

Model No. DVD VIDEO HTS5510C
Serial No. _____

'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 CENTRE'.

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English

中文(简体)

中文(繁體)

Bahasa Melayu

LASER	
Type	Semiconductor laser GaAlAs
Wave length	650~660 nm (DVD)
	784~796 nm (CD)
Output Power	7 mW (DVD)
	10 mW (VCD/CD)
Beam divergence	60 degree

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

Abkhazian	6566	Inupiaq	7375	Pushto	8083
Afar	6565	Irish	7165	Russian	8285
Afrikaans	6570	Íslenska	7383	Quechua	8185
Amharic	6577	Italiano	7384	Raeto-Romance	8277
Arabic	6582	Ivrit	7269	Romanian	8279
Armenian	7289	Japanese	7465	Rundi	8278
Assamese	6583	Javanese	7486	Samoan	8377
Avestan	6569	Kalaallisut	7576	Sango	8371
Aymara	6589	Kannada	7578	Sanskrit	8365
Azerhaijani	6590	Kashmiri	7583	Sardinian	8367
Bahasa Melayu	7783	Kazakh	7575	Serbian	8382
Bashkir	6665	Kernewek	7587	Shona	8378
Belarusian	6669	Khmer	7577	Shqip	8381
Bengali	6678	Kinyarwanda	8287	Sindhi	8368
Bihari	6672	Kirghiz	7589	Sinhalese	8373
Bislama	6673	Komi	7586	Slovensky	8373
Bokmål, Norwegian	7866	Korean	7579	Slovenian	8376
Bosanski	6683	Kuanyama; Kwanyama	7574	Somali	8379
Brezhoneg	6682	Kurdish	7585	Sotho; Southern	8384
Bulgarian	6671	Lao	7679	South Ndebele	7882
Burmese	7789	Latina	7665	Sundanese	8385
Castellano, Español	6983	Latvian	7686	Suomi	7073
Catalán	6765	Letzeburgesch;	7666	Swahili	8387
Chamorro	6772	Limburgan; Limburger	7673	Swati	8383
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Chuang; Zhuang	9065	Macedonian	7775	Tajik	8471
Church Slavic; Slavonic	6785	Malagasy	7771	Tamil	8465
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Faroese	7079	Ndebele, North	7868	Uighur	8571
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Frysk	7089	Ndonga	7871	Urdu	8582
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General Information

Supplied accessories

Composite video
cable (yellow)

Audio cables
(red/white)
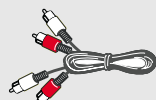
Interconnect cable

FM wire antenna

MW loop antenna

Remote control
and two batteries
(12nc: 3139 258 70091)
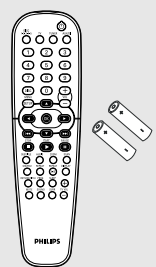
Cleaning discs

To clean a disc, use a micro fibre cleaning
cloth and wipe the disc from the center
to the edge in a straight line.

CAUTION!
Do not use solvents such as benzene,
thinner, commercially available cleaners,
or anti-static sprays intended for discs.

Since the optical unit (laser) of the DVD
system operates at a higher power than
regular DVD or CD players, cleaning CDs
intended for DVD or CD players may
damage the optical unit (laser). Therefore,
refrain from using a cleaning CD.

Setup

Finding a suitable location
– Place the set on a flat, hard and stable
surface. Do not place the set on a carpet.
– Do not position the set on top of
other equipment that might heat it up
(e.g., receiver or amplifier).
– Do not put anything under the set
(e.g., CDs, magazines).
– Install this system near the AC outlet
and where the AC power plug can be
reached easily.

Space for ventilation
– Place the apparatus in a location with
adequate ventilation to prevent internal
heat build up. Allow at least 10 cm (4.5″)
clearance from the rear and the top of
the set and 5cm (2.3″) from the left and
right to prevent overheating.

5cm (2.3″)
10cm (4.5″)   10cm (4.5″)
5cm (2.3″)
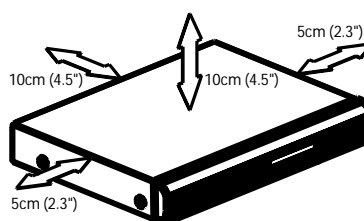
**Avoid high temperatures, moisture,
water and dust**
– Apparatus shall not be exposed to
dripping or splashing.
– Do not place any sources of danger on
the apparatus (e.g., liquid filled objects,
lighted candles).

Step 1: Placing the speakers and subwoofer
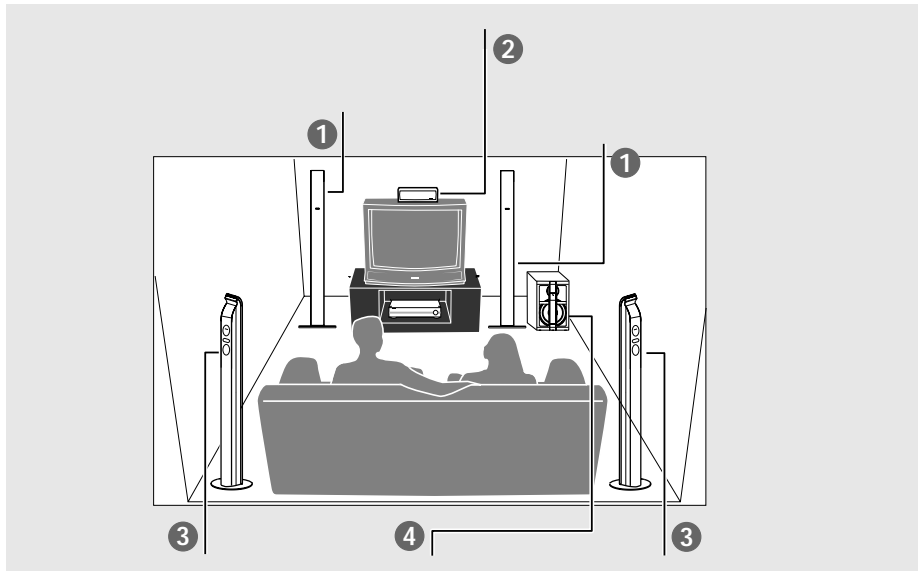
For best possible surround sound, all the speakers (except subwoofer) should be placed at the same distance from the listening position.

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

➋ Place the centre speaker above the TV or the DVD system so that the centre channel's sound is localised.

➌ Place the rear speakers at normal listening ear level facing each other or hang on the wall.

➍ Place the subwoofer on the floor near the TV.

Helpful Hints:
– To avoid magnetic interference, do not position the front speakers too close to your TV.
– Allow adequate ventilation around the DVD system.

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Connections (continued)

Step 2: Connecting the DVD system, speakers and AV subwoofer

❶ Connect the supplied speaker to the rear of the AV subwoofer using the fixed speaker cables by matching the colours of the jacks and speaker connectors.

❷ Use the inter-connect cable to connect the DVD system's **TO AV SUBWOOFER** socket to the **TO DVD SYSTEM** socket at the back of the AV subwoofer.

Helpful Hints:
– Ensure that the speaker cables are correctly connected. Improper connections may damage the system due to a short-circuit.
– To prevent unwanted noise, do not place the AV subwoofer too close to the DVD system, AC power adapter, TV or other radiation sources.

Step 3: Connecting to TV
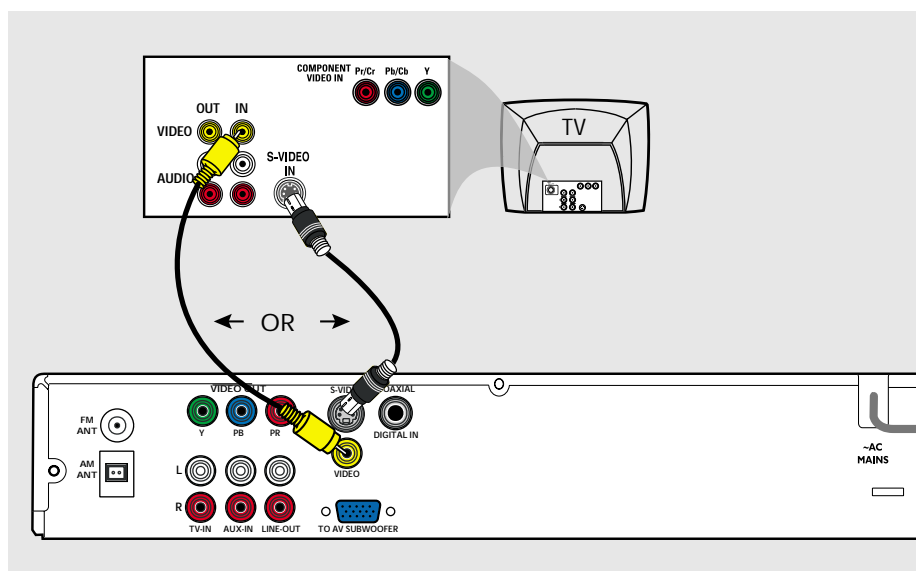
IMPORTANT!
– You only need to make <u>one</u> video connection from the following options, depending on the capabilities of your TV.
– Connect the DVD system directly to the TV.
– Proceed to page 19 for setting up the TV once you have completed the connections.

Helpful Hints:
– To hear the TV channels through this DVD system, use the audio cables (white/red - not supplied) to connect AUDIO-TV IN sockets to the corresponding AUDIO OUT sockets on the TV.

Option 1: Using S-Video socket

● Use an S-video cable (not supplied) to connect the DVD system's **S-VIDEO** socket to the S-Video input socket (or labelled as Y/C or S-VHS) on the TV.
OR

Option 2: Using Composite Video socket

● Use the supplied composite video cable (yellow) to connect the DVD system's **CVBS** socket to the video input socket (or labelled as A/V In, Video In, Composite or Baseband) on the TV.

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Connections (continued)

Step 4: Connecting to a Progressive Scan TV
(optional)
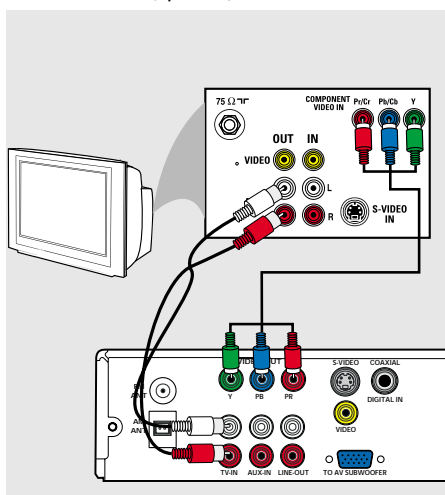
IMPORTANT!
The progressive scan video quality is only possible when using Y Pb Pr and a progressive scan TV is required.

Option 3: Using Component (Y Pb Pr) Video jack

1 Use the 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 - supplied) to connect the DVD system's **TV IN** jacks to the audio input jacks on the TV.

3 Proceed to page 20 for detailed Progressive Scan set up.

Step 5: Connecting FM/MW antennas
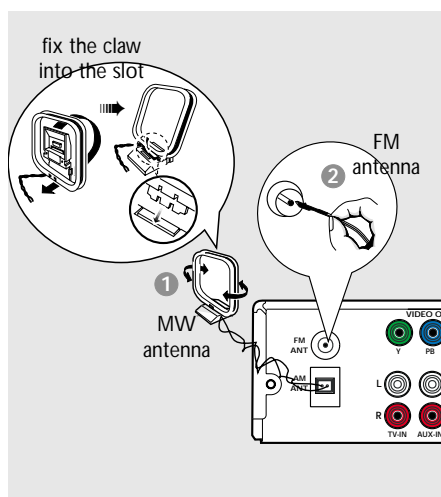
1 Connect the supplied MW loop antenna to the **MW** jack. Place the MW loop antenna on a shelf, or attach it to a stand or wall.

2 Connect the supplied FM antenna to the **FM** jack. Extend the FM antenna and fix its ends to the wall.

For better FM stereo reception, connect an external FM antenna (not supplied).
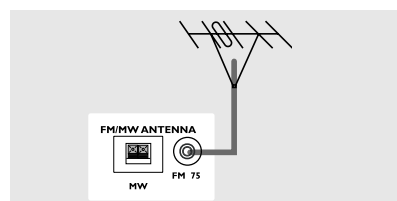
Helpful Hints:
– Adjust the position of the antennas for optimal reception.
– Position the antennas as far as possible from your TV, VCR or other radiation source to prevent unwanted interference.

Step 6: Connecting the power cord

TV

DVD system

–AC
MAINS

COAXIAL

DIGITAL IN
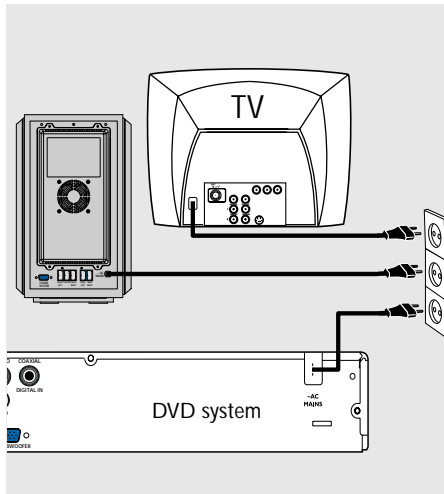
WOOFER

After everything is connected properly, plug the AC power cord into the power outlet.
The ECO POWER LED on the DVD system and AV Subwoofer LED will light up. Never make or change any connections with the power switched on.

Helpful Hint:
– Refer to the type plate on the rear or bottom of the product for identification and supply ratings.

Optional Connections

Connecting a VCR or Cable/Satellite Box
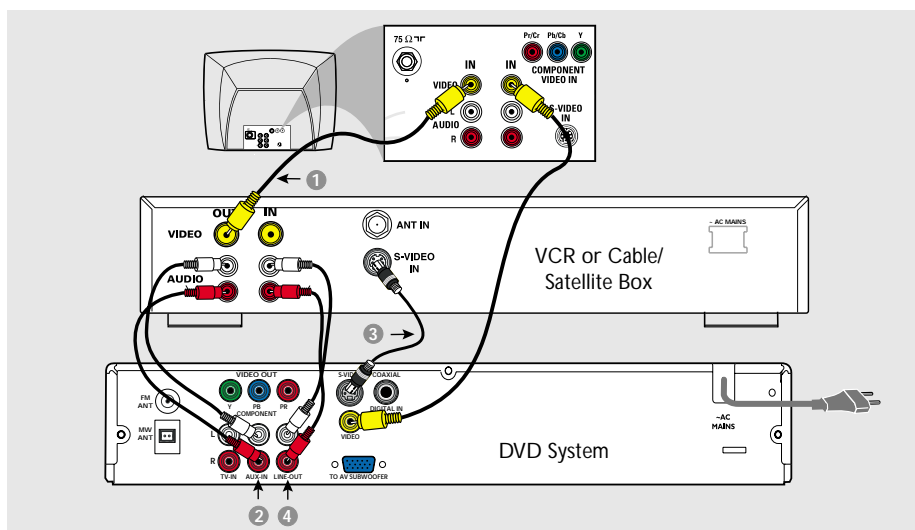
Viewing and listening to the playback

❶ Connect the VCR or Cable/Satellite Box to the TV as shown.

❷ Connect the DVD system's **AUX IN (R/L)** jacks to the AUDIO OUT jacks on the VCR or cable/satellite box.

Press **SOURCE** to select "AUX/ANALOG" in order to activate the input source.

Using the VCR for recording DVD playback

Some DVDs are copy-protected. You cannot record or dub protected discs using a VCR.

❸ Connect the DVD system's **S-VIDEO** jack to the S-VIDEO IN jack on the VCR.

❹ Connect the DVD system's **LINE OUT (R/L)** jacks to the AUDIO IN jacks on the VCR.
This will allow you to make analog stereo (two channel, right and left) recordings.

Before recording, set the volume level of the DVD system to level **1** and below, in order to enable sound output from the LINE OUT sockets.

To view DVD playback while recording,
you must connect the DVD system to your TV using a VIDEO OUT (as shown above) connection.

Connecting digital audio equipment

(for example)
Set-Top Box/
Game Console

● Connect the DVD system's **DIGITAL IN** jack to the DIGITAL OUT jack on a digital audio device.

Press **SOURCE** to select "ꓴꓴ⌙/ ⅁ꓲ⅁ꓲ⊤ꓮꓩ" in order to activate the input source.

Helpful Hints:
– Always refer to the user manual of the other equipment for complete connection and use details.
– For your playback through DIGITAL IN connection, set the digital output of that player to PCM format.

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Remote Control

TV: switches to TV source mode / *will switch Philips TV to AV source.
The sound from TV will come out through the DVD system.
TUNER: toggles between FM and MW band.
AUX/DI: toggles between AUX and DIGITAL IN external source mode.

③ **VOL + −**
– Adjusts the volume level.

④ ◄ ► ▲ ▼
– DISC: selects movement direction in the menu or use ◄ ► to search backward/forward when not in menu.
– TUNER: use ◄ ► to tune the radio frequency up/down, use ▲ ▼ to start auto tuning.

⑤ **|◄◄ / ►►|**
– DISC: *searches backward/forward or selects a track.
– TUNER: selects a preset radio station.

⑥ **PAUSE II**
– DISC: pauses playback.

⑦ **ZOOM**
– DISC: enlarges a picture on the TV screen.

⑧ **SCAN**
– DISC: preview the contents of a VCD or plays the first few seconds of each track within an Audio CD.

⑨ **DISPLAY**
– DISC: displays the current status or disc information and turns off PBC VCD2.0 (if PBC was on).

⑩ **REPEAT A-B**
– DISC: repeats a specific section on a disc.

⑪ **TV VOL + −**
– Adjusts TV volume (Philips TV only.)

⑫ **SLEEP**
– Sets the sleep timer function.

① ⏻
– Switches to Eco Power standby mode, or turns on the system.

② **Source buttons**
DISC 1-2-3-4-5: switches to DISC source mode and select a desired disc tray for playback.

---

* = Press and hold the button for more than two seconds.

@ **Numeric Keypad (0-9)**
– DISC: enters a track/title number.
– TUNER: enters the preset radio station number.

@ **DISC MENU**
– DISC: enters or exits disc contents menu.
– For VCD version 2.0 only;
  Turns on/off playback controls (PBC) mode.

@ **SETUP MENU**
– DISC: enters or exits system setup menu.

@ **OK**
– Confirms a selection.

@ **PLAY ▶**
– DISC: starts playback.

@ **STOP ■**
– Exits an operation.
– DISC: stops playback. Hold down this button will open and close the disc tray.
– TUNER: *erases the current preset radio station.

@ **AUDIO**
– DISC: selects an audio language (DVD/ VCD) or an audio channel (CD.)

@ **SUBTITLE**
– DISC: selects a subtitle language.

@ **SHUFFLE**
– DISC: plays AudioCD tracks in random order.

@ **REPEAT**
– DISC: selects various repeat modes.

@ **RETURN/TITLE**
– To go back to previous menu.
– Displays the disc's Title menu (if available.)

@ **MUTE**
– Mutes or restores the volume.
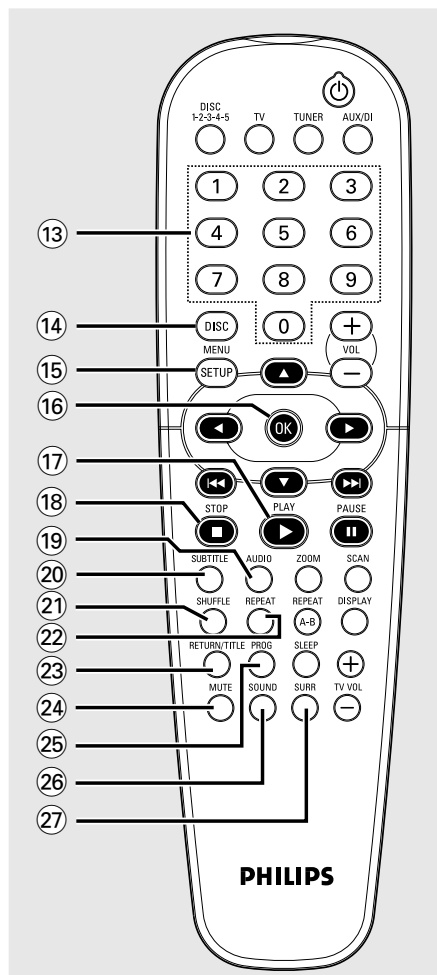
@ **PROG**
– DISC: starts programming.
– TUNER: starts *automatic/ manual preset programming.

@ **SOUND**
– Selects a sound effect.

@ **SURR**
– Selects multichannel surround or stereo mode.

* = Press and hold the button for more than two seconds.

Main Unit
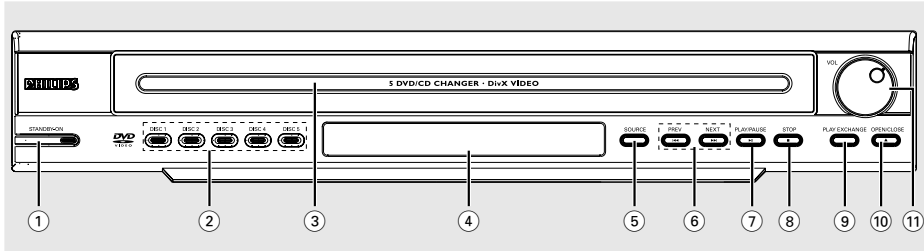
① **STANDBY ON (⏻)**
– Switches to Eco Power standby mode, or turns on the system.

② **Disc direct play button (DISC 1~5)**
– Selects a disc for playback.

③ **5 disc carousel tray**

④ **System display panel**

⑤ **SOURCE**
– Selects the relevant active source mode: DISC, TUNER (FM/MW), TV or AUX/DI.

⑥ **|◄◄ PREV / NEXT ►►|**
– DISC: *searches backward/forward or selects a track.
– TUNER: selects a preset radio station.

⑦ **► II PLAY/PAUSE**
– DISC: starts/pauses playback.

⑧ **■ STOP**
– Exits an operation.
– DISC: stops playback.
– TUNER: *erases the current preset radio station.

⑨ **PLAY EXCHANGE**
– Opens/Closes the disc tray without interrupting the current playback.

⑩ **OPEN/CLOSE ▲**
– Opens/Closes the disc tray.

⑪ **VOL**
– Adjusts the volume level.

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Step 1: Inserting batteries into the remote control
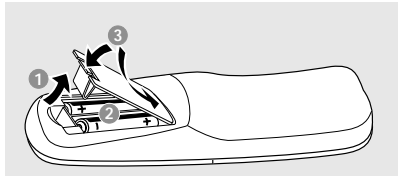
1 Open the battery compartment.

2 Insert two batteries type R06 or AA, following the indications (+ −) inside the compartment.

3 Close the cover.

CAUTION!
– Remove batteries if they are exhausted or if the remote control is not to be used for a long time.
– Do not use old and new, or different types of batteries in combination.
– Batteries contain hazardous chemical substances, so they should be disposed of properly.

Using the remote control to operate the system
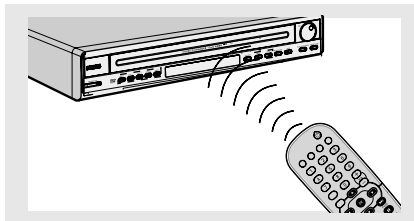
1 Aim the remote control directly at the remote sensor (iR) on the front panel.

2 Select the source you wish to control by pressing one of the source select buttons on the remote control (for example TV, TUNER.)

3 Then select the desired function (for example ▶, |◀◀, ▶▶|.)

Step 2: Setting the TV

IMPORTANT!
Make sure you have completed all the necessary connections. (See page 11-12 "Connecting to TV")

1 Press **SOURCE** control until "DVD/CD" appears on the display panel.

2 Turn on the TV and set it to the correct video-in channel. You should see the blue DVD background screen on the TV.
→ Or, the TV remote control may have a button or switch that chooses between different video modes.
→ Or, set the TV to channel 3 or 4 if you are using an RF modulator.

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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 system to your TV using Y Pb Pr (see page 12.)

A Turn off your TV progressive scan mode or turn on interlaced mode (refer to your TV user manual.)

B Press **DISC** on the remote control to turn on the DVD system.

C Turn on your TV and select the correct Video Input channel (see page 19.)
→ The blue DVD background screen will appear on the TV.

D Press **SETUP** on the remote control.

E Press ▶ to select 'VIDEO SETUP PAGE.'

```
 ✕   🔊   ▱    ⠶   ⊏→

    - - VIDEO SETUP PAGE - -

TV TYPE
TV DISPLAY
PROGRESSIVE        ON
PICTURE SETTING    OFF
```
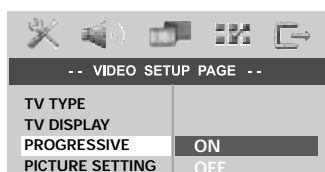
F Select { **PROGRESSIVE** } > { **ON**, } then **OK** to confirm.
→ The below menu will appear on the TV.

```
HINTS:(refer to the owner's manual)
ACTIVATING PROGRESSIVE:
1. Ensure your TV has progressive scan.
2. Connect with YPbPr(GBR) video cable.
3. If there is a blank screen on normal TV,
   wait 15 seconds for auto recover.

     OK              Cancel

< > - Move  OK - Select
```
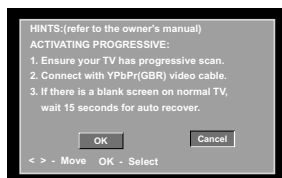
G Press ◀ to highlight OK in the menu and press **OK** to confirm.

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

H Turn on your TV progressive scan mode (refer to your TV user manual.)
→ The below menu will appear on the TV.

```
Confirm again to use progressive scan
If picture is good press OK on remote

     OK              Cancel
```
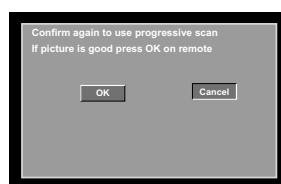
I Press ◀ to highlight OK in the menu and press **OK** to confirm.
→ The set up is complete now and you can start enjoy the high quality picture.

If no picture:
● Wait for 15 seconds for the auto recovery.
OR

A Deactivate Progressive Scan feature by pressing the **OPEN CLOSE** ⏏ on the DVD system to open the disc tray.

B Press ◀ on the remote control.

C Press **MUTE** on the remote control.
→ The blue DVD background screen will appear on the TV.

Helpful Hint:
– There are some progressive scan TV and High-Definition TV sets that are not fully compatible with this DVD system, resulting in the 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 both the DVD system and your TV set.

TIPS: The underlined option is the factory default setting.
To return to the previous menu, press ◀. To remove the menu, press **SETUP**.

<table>
<tr><td>

Selecting the correspond color system

The color system of the DVD system, DVD and TV should match. Only then will it be possible to play a DVD on this system. Before changing the TV system, determine the color system of your TV.

1 In disc mode, press **SETUP**.

2 Press ▶ repeatedly to select 'VIDEO SETUP PAGE.'

3 Press ▲▼ to highlight { **TV TYPE**, } then press ▶.

</td><td>

Setting the TV Display

Set the aspect ratio of the DVD system according to the TV you have connected. The format you select must be available on the disc. If it is not, the setting for TV display will not affect the picture during playback.

1 In disc mode, press **SETUP**.

2 Press ▶ repeatedly to select 'VIDEO SETUP PAGE.'

3 Press ▲▼ to highlight { **TV DISPLAY**, } then press ▶.

</td></tr>
</table>

✖ ◀◦ ◻ ⠿ ⤷

-- VIDEO SETUP PAGE --

TV TYPE	PAL
TV DISPLAY	NTSC
PROGRESSIVE	MULTI
PICTURE SETTING	

✖ ◀◦ ◻ ⠿ ⤷

-- VIDEO SETUP PAGE --

TV TYPE	
TV DISPLAY	4:3 PAN SCAN
PROGRESSIVE	4:3 LETTER BOX
PICTURE SETTING	16:9

4 Press ▲▼ to highlight one of the options below:

{ **PAL** }
Select this if the connected TV has the PAL color system. It will change the video signal of an NTSC disc and output it to PAL format.

{ **NTSC** }
Select this if the connected TV has the NTSC color system. It will change the video signal of a PAL disc and output it to NTSC format.

{ **MULTI** }
Select this if the connected TV is compatible with both NTSC and PAL (multi-system.) The output format will be in accordance with the video signal of the disc.

5 Select a setting and press **OK**.
➜ Follow the instructions shown on the TV to confirm the selection (if any.)
➜ If a blank/distorted TV screen appears, wait for 15 seconds for the auto recovery.

4 Press ▲▼ to highlight one of the options below:

{ **4:3 PAN SCAN** }
Select this if you have a conventional TV and want both sides of the picture to be trimmed or formatted to fit your TV screen.

{ **4:3 LETTER BOX** }
Select this if you have a conventional 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** }
Select this if you have a wide-screen TV.

5 Select a setting and press **OK**.

TIPS: The underlined option is the factory default setting.
To return to the previous menu, press ◀. To remove the menu, press **SETUP**.

Step 3: Setting language preferences

You can select your preferred language settings so that this DVD system will automatically switch to the language for you 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 (On-Screen Display) language for the system menu will remain as you set it, regardless of the default and optional disc languages.

On-screen display (OSD) language

❶ In disc mode, press **SETUP**.

❷ Press ▶ to select 'GENERAL SETUP PAGE.'

❸ Press ▲▼ to highlight { **OSD LANGUAGE**, } then press ▶.

```
   ✕  ◄))  ◄█  ▓▓  ⌐→
------------------------------------
   - -  GENERAL  SETUP  PAGE  - -
DISPLAY DIM
PROGRAM
OSD LANGUAGE        ENGLISH
SCREEN SAVER        ESPANÖL
DISC LOCK           FRANÇAIS
DIVX(R) VOD CODE    PORTUGUÊS
                    SUOMI
```

❹ Press ▲▼ to select a language and press **OK** to confirm.

Audio, Subtitle and Disc menu languages

❶ In disc mode, press ■ twice to stop playback (if any,) then press **SETUP**.

❷ Press ▶ repeatedly to select 'PREFERENCE PAGE.'

❸ Press ▲▼ to highlight one of the options below, then press ▶.
  – { **AUDIO** } (disc's soundtrack)
  – { **SUBTITLE** } (disc's subtitles)
  – { **DISC MENU** } (disc's menu)

```
   ✕  ◄))  ◄█  ▓▓  ⌐→
------------------------------------
   - -  PREFERENCE  PAGE  - -
AUDIO           ENGLISH
SUBTITLE        CHINESE
DISC MENU       FRENCH
PARENTAL        SPANISH
PBC             PORTUGUESE
MP3/JPEG NAV    POLISH
PASSWORD        ITALIAN
DIVX SUBTITLE
DEFAULT
```
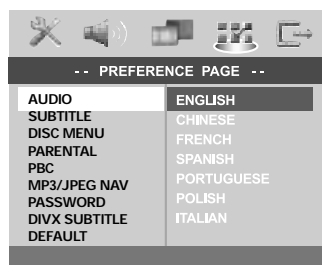
❹ Press ▲▼ to select a language and press **OK** to confirm.

If the language you want is not in the list, then select { OTHERS. } Use the **numeric keypad (0-9)** on the remote to enter the 4-digit language code 'XXXX' (see page 5) and press **OK** to confirm.

❺ Repeat steps ❸~❹ for other settings.

TIPS: The underlined option is the factory default setting.
           To return to the previous menu, press ◀. To remove the menu, press **SETUP**.

IMPORTANT!
**– If the inhibit icon (⊘ or X)
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.**
**– DVD discs and players are
designed with regional restrictions.
Before playing a disc, make sure the
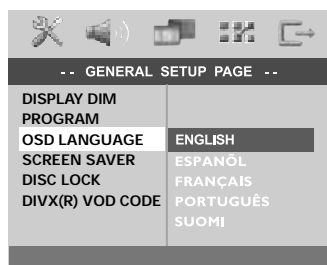disc is for the same zone as your
player.**
**– Do not push on the disc tray or
put any objects other than discs on
the disc tray. Doing so may cause
the disc player to malfunction.**

Playable discs

**Your DVD home theater system will
play:**
– Digital Versatile Discs (DVDs)
– Video CDs (VCDs)
– Super Video CDs (SVCDs)
– Finalized DVD+Recordable[Rewritable]
  (DVD+R[W])
– Audio Compact Discs (CDs)
– MP3 discs, picture (Kodak, JPEG) files
  on CD-R(W).
  – JPEG/ISO 9660/UDF format
  – Progressive JPEG not supported
  – JPEG resolution support up to
    3072 x 2048
  – Supported sampling frequencies :
    32 kHz, 44.1 kHz, 48 kHz
  – Supported Bit-rates : 32~256 (kbps),
    variable bit rates

– MPEG-4 files on CD-R[W]:
  – Simple profile
  – Advanced simple profile (640-480)
– DivX disc on CD-R[W]/DVD+R[W]:
  – DivX 3.11, 4.x and 5.x
  – GMC (Global Motion Compensation)
    and QP (Quarter Pixel) not supported.
– File structure: Up to 299 folders;
  up to 648 folders and files combined

Region Codes
DVD films are usually not released at the
same time in all regions of the world,
thus, all DVD players are keyed to a
specific region code.
The regional code is shown at the back
panel of this device. If the DVD is marked
with a different region code, it cannot be
played on this device.

Helpful Hints:
*– It may not be possible to play CD-R/RW or
DVD-R/RW in all cases due to the type of
disc or condition of the recording.*
*– If you are having trouble playing a certain
disc, remove the disc and try a different one.
Improperly formatted discs will not play on
this DVD system.*

Region	DVD that can be played	
Asia Pacific, Taiwan, Korea	ALL	3
China, Calcos Islands, Walls and Futuna Islands	ALL	6
Australia, New Zealand, Latam	ALL	4

TIPS: Some discs cannot be played on this DVD system due to the configuration and characteristics
of the disc, or due to the condition of recording and authoring software that was used.

Disc Operations (continued)

Playing discs

❶ Press **SOURCE** control until "ᴅᴠᴅ/ᴄᴅ" appears on the display panel (or press **DISC 1-2-3-4-5** on the remote until "ʟᴏᴀᴅ ᴋ" appears).

❷ Turn on the TV power and set to the correct Video In channel. (See page 19 "Setting the TV".)
➜ You should see the blue DVD background screen on the TV.

❸ Press **OPEN CLOSE** ⏏ to open the disc tray and load in discs, then press the same button again to close the disc tray.
➜ Maximum up to 5 discs could be loaded in the disc tray.
➜ Make sure the disc label is facing up. For double-sided discs, load the side you want to play facing up.

OPEN/CLOSE
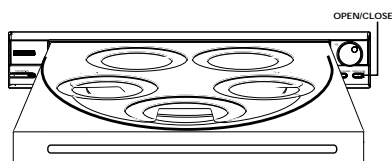
❹ Playback will start automatically.
➜ If a disc menu shows on the TV, see page 26 "Using the Disc Menu."
➜ If the disc is locked by parental control, you must enter your six-digit password. (See pages 40.)
➜ Playback will stop after all discs have been played.

Auto Eco Power standby mode

This is a power-saving feature, the system will automatically switch to Eco Power standby mode if you do not press any buttons within 30 minutes after a disc has stopped playing.

Basic playback controls

Playing a specific disc directly
● Press **DISC 1-2-3-4-5** on the front panel or remote control to playback a specific disc directly.

Reload or unload any discs without interrupting current disc playback
● Press **PLAY EXCHANGE** on the front panel to open and close the disc tray.

Pausing playback
● During playback, press ❚❚ (►❚❚).
➜ To resume normal playback, press **PLAY** ► (or ►❚❚).

Selecting another track/chapter
● Press ❙◄◄ / ►►❙ or use the **numeric keypad (0-9)** to key in a track/chapter number.
➜ If repeat track mode is active, pressing ❙◄◄ / ►►❙ will replay the same track/chapter.

Searching backward/forward
● Press and hold ❙◄◄ / ►►❙.
To resume normal playback, press **PLAY** ► (or ►❚❚).
➜ While searching, pressing ❙◄◄ / ►►❙ again will decrease/increase the search speed.
➜ For MP3 and DivX disc, it only allows to search within the currently playing track.

Stopping playback
● Press ■.

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

24

Selecting various repeat/ shuffle functions

SHUFFLE ———

REPEAT ———

REPEAT A-B

PHILIPS
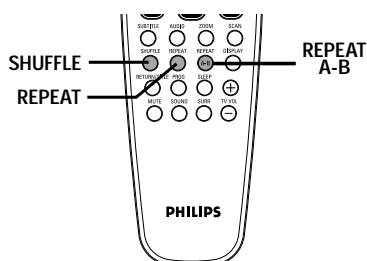
Repeat play

You can select a Chapter, Track, Title, entire disc or all available discs for repeat playback.

● While playing a disc, press **REPEAT** repeatedly to choose a repeat play mode.

DVD
→ CHAPTER (repeat chapter)
→ TITLE (repeat title)
→ DISC (repeat the entire disc)
→ ALL DISC (repeat all discs loaded on the tray)
→ REPEAT OFF (exit repeat mode)

CD/MP3/JPEG/VCD/SVCD/DivX
→ TRACK (repeat track)
→ DISC (repeat the entire disc)
→ ALL DISC (repeat all discs loaded on the tray)
→ REPEAT OFF (exit repeat mode)

Helpful Hint:
– VCDs do not allow repeat playback as long as the PBC mode is switched on.

Repeating a specific segment (A-B)

You can repeat the playback of a specific segment within a title/chapter/track. To do this, you must mark the start and end of the segment you want.

❶ While playing a disc, press **REPEAT A-B** to mark the starting point.

❷ Press **REPEAT A-B** again to mark the end of the segment.
→ The section A and B can be set only within the same chapter/track.
→ Playback skips to the start of the marked segment. The segment is repeated until the repeat mode is cancelled.

❸ To cancel repeat playback, press **REPEAT A-B**.

Random play (Audio CDs and MP3 only)

Shuffle function allows you to play tracks in random order.

● While playing a disc, press **SHUFFLE** repeatedly to choose a random play mode.

CD/MP3
→ SHUFFLE DISC (all the tracks on the current active disc will be played in random order)

→ SHUFFLE ALL DISC (tracks from all discs will be played in random order)

→ SHUFFLE OFF (exit random play mode)

Helpful Hint:
– Only discs with the same type will be shuffled.

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

Disc Operations (continued)

Other operations for video playback (DVD/VCD/SVCD)

DISC
MENU

OK

◀ ▶ ▲▼

PLAY ▶

■

SUBTITLE
AUDIO

SCAN
DISPLAY

RETURN/TITLE

ZOOM

II
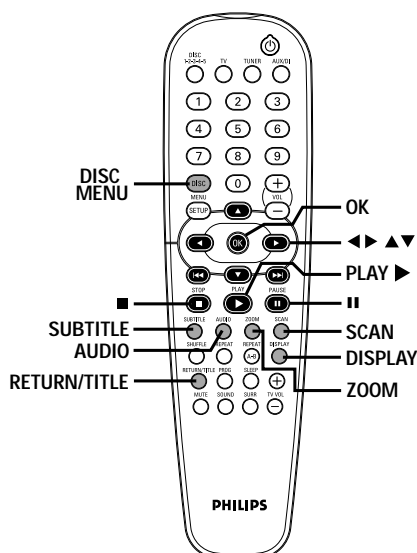
Using the Disc Menu

A menu may appear on the TV screen once you load in the disc, depending on the disc

To select a playback feature or item
● Use ◀ ▶ ▲ ▼ keys or **numeric keypad (0-9)** on the remote, then press **OK** to start playback.

To access or remove the menu
● Press **DISC MENU** on the remote.

Viewing playback information

It will show the disc playback information (for example, title or chapter number, elapsed playing time, audio/subtitle language,) a number of operations can be done without interrupting disc playback.

❶ During playback, press **DISPLAY**.
➜ A list of available disc information appears on the TV screen.

MENU	▶
Title	02/02
Chapter	02/14
AUDIO	5.1CH
SUBTITLE	OFF

Bitrate ‖‖‖‖‖‖‖   TITLE ELAPSED 0:29:17

OR

MENU	▶
Track	01/02
Disc Time	0:49:17
Track Time	0:03:43
REPEAT	OFF
Time Disp.	TOTAL ELAPSED

Bitrate ‖‖‖‖‖‖‖   TOTAL ELAPSED 0:29:17
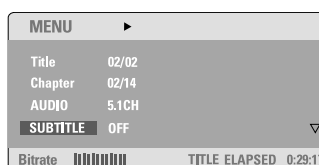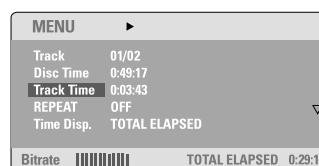
❷ Press ▲▼ to view the information and press **OK** to access.

❸ Use the **numeric keypad (0-9)** to input the number/time or press ▲▼ to make the selection, then press **OK** to confirm.
➜ Playback will change to the chosen time or to the selected title/chapter/track.

Advancing by frame

❶ During playback, press **II** on the remote.
➜ Play will pause and sound will be muted.

❷ Press **II** repeatedly to view the next picture frame.

❸ To resume normal playback, press **PLAY ▶** (or ▶II).

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

Resuming playback from the last stopped point

Resume playback of the last 10 discs is possible, even if the disc was ejected or the power switched off.

1 Load one of the last played 10 discs.

2 While "LOADING" appears on the display panel, press **PLAY ▶** (or ▶II) to start playback from the last stop point.

To cancel the resume mode
● In stop mode, press ■ again.

Zooming in

This function allows you to enlarge the picture on the TV screen and to pan through the enlarged picture.

1 During playback, press **ZOOM** repeatedly to select a different zoom factor.
→ Use ◀ ▶ ▲ ▼ keys to move through the zoomed image.
→ Playback will continue.

2 Press **ZOOM** repeatedly to return to the original size.

Changing sound track language

This operation works only on DVDs with multiple soundtrack languages, you can change the language you want while playing a DVD.

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

For VCD - changing the audio channel
● Press **AUDIO** repeatedly to select the available audio channels provided by the disc (STEREO, LEFT MONO, RIGHT MONO or MIX MONO.)

Changing subtitle language (DVD only)

This operation works only on DVDs with multiple subtitle languages, you can change the language you want while playing a DVD.

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

Selecting a title (DVD only)

Some DVDs may contain several titles. If the disc has a title menu recorded on it, you can start playback from the selected movie title.

1 Press **RETURN/TITLE**.
→ The disc title menu appears on the TV screen.

2 Use ◀ ▶ ▲ ▼ keys or **numeric keypad (0-9)** to select a play option.

3 Press **OK** to confirm.

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

Disc Operations (continued)

Playback Control (PBC) (VCD only)

PBC playback allows you to play Video CDs interactively, following the menu on the display. This function can also be accessed via the 'PREFERENCE PAGE' menu (see page 40.)

For VCDs with Playback Control (PBC) feature (version 2.0 only)

● When play is stopped, press **DISC MENU** to toggle between 'PBC ON' and 'PBC OFF.'

→ If you select 'PBC ON,' the disc menu (if available) will appear on the TV. Use |◀◀ / ▶▶| or numeric keypad (0-9) to select a play option and press **OK** to confirm.

→ If you select 'PBC OFF,' the VCD will skip the index menu and start playback directly from the beginning.

● During playback, press **RETURN/TITLE** will return to the menu screen (if PBC is on.)

Preview Function (VCD and CD only)

❶ Press **SCAN**.

❷ Press ▲▼ to highlight { **TRACK DIGEST**, } { **DISC INTERVAL** } or { **TRACK INTERVAL**. }

❸ Press **OK** to open one option.

> **SELECT DIGEST TYPE:**
> **TRACK DIGEST**
> **DISC INTERVAL**
> **TRACK INTERVAL**

{ TRACK DIGEST }
This function will minimize the picture of every track in order to display every six of these tracks on the screen to help you know the content of every track on the disc.

{ DISC INTERVAL }
This function is used to divide a disc into six parts by regular intervals and display them on one page to preview the whole disc.

{ TRACK INTERVAL }
This function is used to divide a single track into six parts by regular intervals and display them on one page to help you preview the selected track.
This function is only accessible in playback mode and the Playback Control (PBC) is turned off.
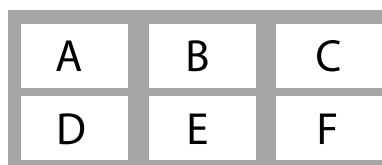
(example for 6 thumbnail pictures display)

❹ Use ◀ ▶ ▲ ▼ keys to select a track or use **numeric keypad (0-9)** to input the selected track number next to { **SELECT** }.

❺ Press |◀◀ / ▶▶| to open the previous or next page.

❻ Press **OK** to confirm.

To quit preview function
● Use ◀ ▶ ▲ ▼ keys to highlight { **EXIT** } and press **OK** to confirm.

To return to preview menu
● Use ◀ ▶ ▲ ▼ keys to highlight { **MENU** } and press **OK** to confirm.

For CD - play the first few seconds of each track
● Press ■ to stop playback, then press **SCAN**.

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

Playing an MP3/JPEG/MPEG-4 disc

This DVD system can playback MPEG-4, MP3, JPEG, VCD & SVCD files on a personally recorded CD-R/RW disc or commercial CD.

IMPORTANT!
You have to turn on your TV and set to the correct Video In channel. (See page 19 "Setting the TV".)

➊ Load a 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 screen.

```
00:00  00:00        ▶   |||||||||.......
001/020
    ☐ Coco Lee
    ☐
  MP3  Coco  -  Before
  MP3  Coco  -  I love
  MP3  Coco  -  Jazz
  MP3  Coco  -  Hot spring
```

➋ If the disc main menu contains various folders, press ▲ ▼ to select a desired folder and press **OK** to open the folder.

➌ Press ▲ ▼ to select a track/file and press **OK** to start playback.
→ Playback will start from the selected file and continue to the end of the folder.

During playback, you can;

● Press I◀◀ / ▶▶I to select another track/file in the current folder.

● To select another folder from the current disc, press ◀ to return to the root menu, then press ▲▼ to make your selection and press **OK** to confirm.

● Press **REPEAT** continuously to access various repeat play mode.

● Press II to pause or **PLAY** ▶ (or ▶II) to resume playback.

Playing MP3 music and JPEG picture simultaneously

➊ Load a MP3 disc that contains music and pictures.
→ The disc menu appears on the TV screen.

➋ Select an MP3 track and press ▶ (or ▶II) to start playback.

➌ During MP3 music playback, use ◀ ▶ ▲ ▼ keys to select a picture folder from the disc menu and press **PLAY** ▶ (or ▶II) or **OK** on the remote control.
→ The picture files will be played back until the end of the folder.

➍ To quit simultaneous playback, press **DISC MENU** and followed by ■ .

Helpful Hints:
– It may not be possible to play certain MP3/JPEG/MPEG-4 disc due to the configuration and characteristics of the disc or condition of the recording.
– It is normal to experience an occasional "skip" while listening to your MP3 disc.
– System supports ISO9660 and will only display 12 characters of the file names.
– For multi-session discs with different formats, only the first session will be available.

TIPS: Some discs cannot be played on this DVD system due to the configuration and characteristics of the disc, or due to the condition of recording and authoring software that was used.

Disc Operations (continued)

Playing a picture disc (slide show)

IMPORTANT!
You have to turn on your TV and set to the correct Video In channel. (See page 19 "Setting the TV".)

● Load a Picture disc (Kodak Picture CD, JPEG.)
➜ For a Kodak disc, the slide show will begin automatically.
➜ For a JPEG disc, the picture menu will appear on the TV screen. Press **PLAY** ▶ (or ▶Ⅱ) to start the slide-show playback.

Preview Function

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

❶ During playback, press ■ .
➜ 12 thumbnail pictures will appear on the TV screen.

❷ Press I◀◀ / ▶▶I to display the other pictures on the previous/next page.

❸ Use ◀ ▶ ▲ ▼ keys to highlight one of the picture and press **OK** to start playback.

❹ Press **DISC MENU** to return to Picture CD menu.

Zooming a picture

❶ During playback, press **ZOOM** repeatedly to select different zoom factor.

❷ Use ◀ ▶ ▲ ▼ keys to move through the zoomed image.

Rotating/Fliping the picture

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

▲ : flip the picture vertically
▼ : flip the picture horizontally
◀ : rotate the picture anti-clockwise
▶ : rotate the picture clockwise

Supported JPEG picture formats

File format:
– The file extension has to be '*.JPG' and not '*.JPEG'.
– It can only display DCF-standard still pictures or JPEG pictures e.g. TIFF. It cannot play back moving pictures, Motion JPEG, progressive JPEG and other formats, or pictures in formats other than JPEG, or pictures associated with sound.
– It may require longer time for the DVD system to display the disc content on the TV due to the large number of songs/pictures compiled into one disc.

TIPS: Some discs cannot be played on this DVD system due to the configuration and characteristics of the disc, or due to the condition of recording and authoring software that was used.

Playing a DivX disc

This DVD system supports the DivX movie playback, which you download from your computer onto a CD-R/RW (see page 34 for more information.)

❶ Load a DivX disc.
→ Playback will start automatically. If not press **PLAY** ► or **OK** on the remote.

❷ If the DivX movie contains external subtitles, the subtitle menu will appear on the TV.

● In this case, pressing **SUBTITLE** on the remote control will turn on or off the subtitle display.

● If multilingual subtitles are embedded on the DivX disc, you can press **SUBTITLE** to change the subtitle language while playing.

Helpful Hints:
– 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 has to be the same as the filename of the movie.
– The subtitle can only be displayed up to maximum of 35 characters.
– It is normal to experience an occasional pixelation during MPEG-4/DivX playback due to poor clarity of digital contents during internet downloading.

TIPS: Some discs cannot be played on this DVD system due to the configuration and characteristics of the disc, or due to the condition of recording and authoring software that was used.

DVD Setup Menu Options

This DVD system setup is carried out via the TV, enabling you to customize the DVD system to suit your particular requirements.

Accessing to General Setup Page

❶ Press **DISC** and followed by **SETUP** on the remote.

❷ Press ◀ ▶ to select 'GENERAL SETUP PAGE.'

❸ Press **OK** to confirm.

```
-- GENERAL  SETUP  PAGE --

DISPLAY DIM
PROGRAM
OSD LANGUAGE
SCREEN SAVER
DISC LOCK
DIVX(R) VOD CODE
```
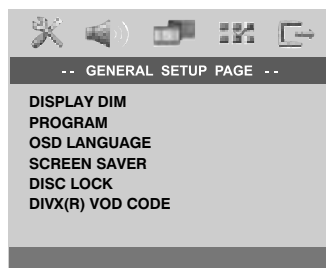
Not all discs are rated or coded by the disc maker. You can prevent a specific disc from playing by locking the disc. Up to 40 discs can be locked.

❶ In 'GENERAL SETUP PAGE,' press ▲▼ to highlight { **DISC LOCK** }, then press ▶.

{ **LOCK** }
Select this to block the playback of the current disc. Subsequent access to a locked disc requires six-digit password. The default password is '136900' (see page 40 "Changing the password".)

{ **UNLOCK** }
Select this to unlock the disc and allow future playback.

❷ Press ▲▼ to select a setting and press **OK** to confirm.

Dimming system's display panel

You can select different levels of brightness for the DVD system display screen.

❶ In 'GENERAL SETUP PAGE,' press ▲▼ to highlight { **DISPLAY DIM**, } then press ▶.

{ **100%** }
Select this for full brightness.

{ **70%** }
Select this for medium brightness.

{ **40%** }
Select this for the dimmest display.

❷ Press ▲▼ to select a setting and press **OK** to confirm.

TIPS: The underlined option is the factory default setting.
To return to the previous menu, press ◀. To remove the menu, press **SETUP**.

DVD Setup Menu Options (continued)

Program tracks on a single disc

(for CD, VCD, SVCD, DVD only)
You can program the tracks in the current selected disc in the order you want them to be played. Up to 20 tracks can be stored. You can press **PROG** to enter into program menu directly.
OR

➊ In 'GENERAL SETUP PAGE,' press ▲▼ to highlight { **PROGRAM**, } then press ▶.

➋ Press ▲▼ to select { **FTS** } (Favorite Track Selection) and press **OK** to confirm.

```
┌───────────────────────────────┐
│ 1  04        6  _ _           │
│ 2  10        7  _ _           │
│ 3  11        8  _ _           │
│ 4  _ _       9  _ _           │
│ 5  _ _      10  _ _           │
│          EXIT  START  NEXT ⓜ  │
└───────────────────────────────┘
```

To input your favorite tracks/chapter
➌ Use the **numeric keypad (0-9)** to enter a valid track/chapter number.

➍ Use ◀ ▶ ▲ ▼ keys to move the cursor to the next position.
→ If the total program tracks are more than ten, press ▶▶❙ to open the next page and proceed with programming or,
→ Use ◀ ▶ ▲ ▼ keys to highlight { **NEXT** } on the program menu, then press **OK**.

➎ Repeat steps ➌ ~ ➍ to input another track/chapter number.

If you want to remove a track
➏ Select the track/chapter number and press **OK** to remove this track/chapter from the program menu.

To start program playback
➐ Use ◀ ▶ ▲ ▼ keys to highlight { **START** } on the program menu, then press **OK**.

To exit program playback
➑ Use ◀ ▶ ▲ ▼ keys to highlight { **EXIT** } on the program menu, then press **OK**.

Program discs

You can program the discs sequence in the order you want them to be played. Up to 5 discs can be stored.

➊ In 'GENERAL SETUP PAGE,' press ▲▼ to highlight { **PROGRAM**, } then press ▶.

➋ Press ▲▼ to select { **FDS** } (Favorite Disc Selection) and press **OK** to confirm.

```
┌───────────────────────────────┐
│ (1)  Disc : 3                 │
│ (2)  Disc : 5                 │
│ (3)  Disc : 1                 │
│ (4)  Disc : 4                 │
│ (5)  Disc : 2                 │
│          EXIT    START        │
└───────────────────────────────┘
```

To input your favorite disc
➌ Use the **numeric keypad (0-9)** to enter a valid disc number (1-5).

➍ Use ◀ ▶ ▲ ▼ keys to move the cursor to the next position.

➎ Repeat steps ➌ ~ ➍ to input another disc number.

If you want to remove a disc
➏ Move to the disc number and press **numeric keypad '0'** to remove this disc from the program menu.

To start program playback
➐ Use ◀ ▶ ▲ ▼ keys to highlight { **START** } on the program menu, then press **OK**.

To exit program playback
➑ Use ◀ ▶ ▲ ▼ keys to highlight { **EXIT** } on the program menu, then press **OK**.

TIPS: The underlined option is the factory default setting.
To return to the previous menu, press ◀. To remove the menu, press **SETUP**.

DVD Setup Menu Options (continued)

OSD Language

This menu contains various language options for language displayed on the screen. For details, see page 22.

Screen Saver - turning on/off

The screen saver will help prevent damage to your TV display device.

❶ In 'GENERAL SETUP PAGE,' press ▲▼ to highlight { **SCREEN SAVER**, } then press ▶.

{ <u>**ON**</u> }
Select this if you wish to turn off the TV screen when play is stopped or paused for more than 15 minutes.

{ **OFF** }
Select this to disable the screen saver function.

❷ Press ▲▼ to select a setting and press **OK** to confirm.

DivX® VOD registration code

Philips provide 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.

❶ In 'GENERAL SETUP PAGE,' press ▲▼ to highlight { **DIVX(R) VOD CODE**, } then press ▶.
→ The registration code will appear.

❷ Press **OK** to exit.

❸ Use the registration code to purchase or rent the videos from DivX® VOD service at www.divx.com/vod. Follow the instructions and download the video from your computer onto a CD-R/RW for playback on this DVD system.

Helpful Hints:
– All the downloaded videos from DivX® VOD can only be played back on this DVD system.
– Time search feature is not available during DivX® movie playback.

TIPS: The <u>underlined option</u> is the factory default setting.
         To return to the previous menu, press ◀. To remove the menu, press **SETUP**.

Accessing to Audio Setup Page

❶ Press **DISC** and followed by **SETUP** on the remote.

❷ Press ◀▶ to select 'AUDIO SETUP PAGE.'

❸ Press **OK** to confirm.

```
-- AUDIO SETUP PAGE --

SPEAKER SETUP
CD UPSAMPLING
NIGHT MODE
```
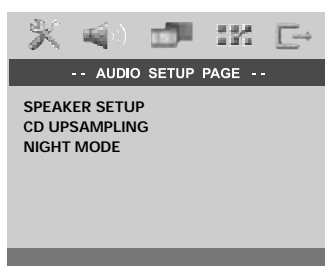
Speaker Setup

These menus contain speaker setup options that allow you to adjust the individual speakers volume and delay time. For details, see page 45.

Night Mode - turning on/off

When night mode is activated, the high volume outputs are softened and low volume outputs are brought upward to an audible level (for DVD only.) It is useful for watching action movies without disturbing others at night.

❶ In 'AUDIO SETUP PAGE,' press ▲▼ to highlight { **NIGHT MODE**, } then press ▶.

{ **ON** }
Select this to level out the volume.

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

❷ Press ▲▼ to select a setting and press **OK** to confirm.

CD Upsampling

This feature allows you to convert your music CD to a higher sampling rate using sophisticated digital signal processing for better sound quality.

If you have activated the CD upsampling, the system will automatically switch to stereo mode.

❶ In 'AUDIO SETUP PAGE,' press ▲▼ to highlight { **CD UPSAMPLING**, } then press ▶.

{ **OFF** }
Select this to disable CD-upsampling.

{ **88.2 kHz (X2)** }
Select this to convert the sampling rate of the CDs twice higher than the original.

❷ Press ▲▼ to select a setting and press **OK** to confirm.
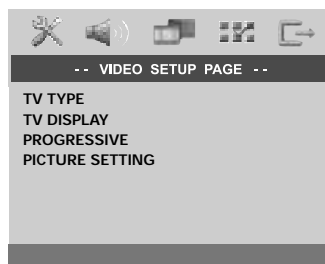
Helpful Hint:
– If you press SURR button on the remote control to select "Multi-Channel" mode, it will disable the CD upsampling feature.

TIPS: The underlined option is the factory default setting.
To return to the previous menu, press ◀. To remove the menu, press **SETUP**.

DVD Setup Menu Options (continued)

Accessing to Video Setup Page

❶ Press **DISC** and followed by **SETUP** on the remote.

❷ Press ◄► to select 'VIDEO SETUP PAGE.'

❸ Press **OK** to confirm.

```
  ✕  ◄))  ⬛  ⦂⦂  ⌐→

     -- VIDEO SETUP PAGE --

   TV TYPE
   TV DISPLAY
   PROGRESSIVE
   PICTURE SETTING
```

TV Type

This menu contains the options for selecting the color system that matches the connected TV. For details, see page 21.

TV Display

This menu contains the options for setting the aspect ratio of the DVD system according to the connected TV. For details, see page 21.

Progressive Scan - turning on/off

In the progressive scan mode, you can enjoy the high quality picture with less flickers. It only works when you have connected the DVD system's Y Pb Pr jacks to your TV that supports the progressive video input. Otherwise, the image may not appear or will be distored. For proper progressive scan set up, see page 20.

❶ In 'VIDEO SETUP PAGE,' press ▲▼ to highlight { **PROGRESSIVE**, } then press ►.

{ **OFF** }
Select this to disable progressive scan feature.

{ **ON** }
Select this to enable progressive scan feature.

❷ Press ▲▼ to select a setting and press **OK** to confirm.
➜ Follow the instructions shown on the TV to confirm the selection (if any.)
➜ If a blank/distorted TV screen appears, wait for 15 seconds for the auto recovery.

TIPS: The <u>underlined option</u> is the factory default setting.
To return to the previous menu, press ◄. To remove the menu, press **SETUP**.

Picture Setting

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

① In 'VIDEO SETUP PAGE,' press ▲▼ to highlight { **PICTURE SETTING**, } then press ▶.

{ **STANDARD** }
Select this for original color setting.

{ **BRIGHT** }
Select this for vibrant color setting.

{ **SOFT** }
Select this for warm color setting.

{ **PERSONAL** }
Select this to personalize your picture color by adjusting the brightness, contrast, tint and color (saturation.)

② Press ▲▼ to select a setting and press **OK** to confirm.

③ If you select { **PERSONAL**, } then proceed to steps ❹~❼.
➜ The 'PERSONAL PICTURE SETUP' menu appears.

PERSONAL PICTURE SETUP		
BRIGHTNESS		0
CONTRAST		0
TINT		0
COLOR		0
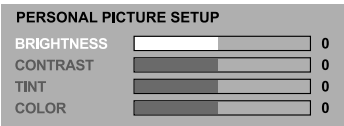
④ Press ▲▼ to highlight one of the following options.

{ **BRIGHTNESS** }
Increase this value to brighten the picture color or vice versa. Choose zero (0) for the average setting.

{ **CONTRAST** }
Increase this value to sharpen the picture color or vice versa. Choose zero (0) to balance the contrast.

{ **TINT** }
Increase or decrease this value to change the color phase of the picture. Choose zero (0) for the average setting.

{ **COLOR** }
Increase this value to enhance the picture color or vice versa. Choose zero (0) to balance the color.

⑤ Press ◄ ► to adjust the setting that best suit your personal preference.

⑥ Repeat steps ❹~❺ to adjust other settings.

⑦ Press **OK** to confirm.

TIPS: The underlined option is the factory default setting.
To return to the previous menu, press ◄. To remove the menu, press **SETUP**.

DVD Setup Menu Options (continued)

Accessing to Preference Setup Page

❶ Press ■ twice to stop playback (if any), then press **SETUP**.

❷ Press ◀ ▶ to select the 'Preference Page'.

❸ Press **OK** to confirm.

```
   ✖   ◀»   ◻   ▓   ⤷

      - - PREFERENCE PAGE - -

   AUDIO
   SUBTITLE
   DISC MENU
   PARENTAL
   PBC
   MP3/JPEG NAV
   PASSWORD
   DIVX SUBTITLE
   DEFAULT
```
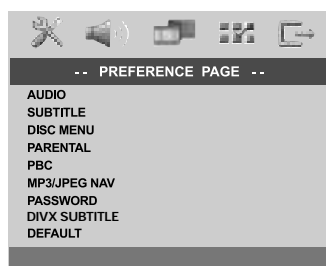
Audio, Subtitle, Disc Menu

These menus contain various language options for audio, subtitle and disc menu that may be recorded on the DVD. For details, see page 22.

Restricting playback by Parental Control

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.

❶ In 'Preference Page', press ▲▼ to highlight { **Parental** }, then press ▶.

```
   ✖   ◀»   ◻   ▓   ⤷

      - - PREFERENCE PAGE - -

   AUDIO           1 KID SAFE
   SUBTITLE        2 G
   DISC MENU       3 PG
   PARENTAL        4 PG 13
   PBC             5 PGR
   MP3/JPEG NAV    6 R
   PASSWORD        7 NC 17
   DIVX SUBTITLE
   DEFAULT         8 ADULT
```
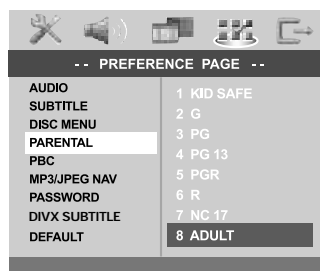
❷ Press ▲▼ to highlight a rating level for the disc inserted and press **OK**.

❸ Use the **numeric keypad (0-9)** to enter the six-digit password (see page 40 "Changing the password").
→ DVDs that are rated above the level you selected will not play unless you enter your six-digit password.

TIPS: The underlined option is the factory default setting.
To return to the previous menu, press ◀. To remove the menu, press **SETUP**.

Rating explanations

1 KID SAFE – 2 G
– General Audience; recommended as acceptable for viewers of all ages.

3 PG
– Parental Guidance suggested.

4 PG13
– Material is unsuitable for children under age 13.

5 PGR – 6 R
– Parental Guidance - Restricted; recommended that parents restrict children under 17 from viewing or allow them to view the material 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 material; should be viewed only by adults due to graphic sexual material, violence or language.

Helpful Hints:
– VCD, SVCD, CD have no level indication, so parental control has no effect on these type of discs. This also applies to most illegal DVDs.
– 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 play of such Discs.

PBC

You can set the PBC to ON or OFF. This feature is available only on Video CD 2.0 with playback control (PBC) feature. For details, see page 28.

MP3/JPEG Menu - turning on/off

MP3/JPEG Navigator can be set only if the disc is recorded with a menu. It allows you to select different display menus for easy navigation.

❶ In 'Preference Page', press ▲▼ to highlight { **MP3/JPEG Nav** }, then press ▶.

{ **Without Menu** }
Select this to display all the files contained in the MP3/Picture CD.

{ **With Menu** }
Select this to display only the folder menu of the MP3/Picture CD.

❷ Press ▲▼ to select a setting and press **OK** to confirm.

TIPS: The underlined option is the factory default setting.
            To return to the previous menu, press ◀. To remove the menu, press **SETUP**.

DVD Setup Menu Options (continued)

Changing the Password

The same password is used for both Parental Control and Disc Lock. Enter your six-digit password to play a prohibited disc or if prompted for a password. The default password is 136900.

❶ In 'Preference Page', press ▲▼ to highlight { **Password** }, then press ▶ to select { **Change** }.
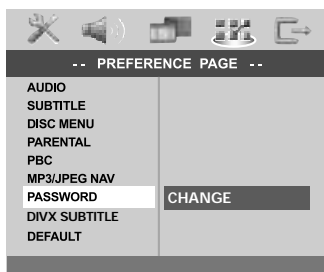
❷ Press **OK** to enter the 'Password Change Page'.
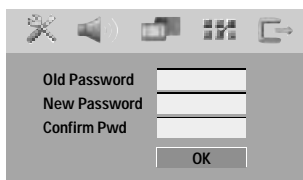
❸ Use the **numeric keypad (0-9)** to enter your old six-digit password.
→ When doing this for the first time, key in '136900'.
→ If you forget your old six-digit password, key in '136900'.

❹ Enter the new six-digit password.

❺ Enter the new six-digit password a second time to confirm.
→ The new six-digit password will now take effect.

❻ Press **OK** to confirm.

Setting the DivX Subtitle font

You can set the font type that supports the recorded DivX subtitle.

❶ In 'PREFERENCE PAGE', press ▲ ▼ to highlight { **DIVX SUBTITLE** }, then press ▶.

{ **STANDARD** }
Select this to display a standard list of Roman subtitle fonts provided by this DVD system.

{ **CYRILLIC** }
Select this to display cyrillic subtitle fonts.

❷ Press ▲▼ to select a setting and press ▶OK to confirm.

Restoring to original settings

You can reset all the system menu options and your personal settings to the factory defaults, except your password for Parental Control and Disc Lock.

❶ In 'Preference Page', press ▲▼ to highlight { **Default** }, then press ▶ to select { **Reset** }.

❷ Press **OK** to confirm.
→ All settings will now reset to factory defaults.

*TIPS:*   The underlined option is the factory default setting.
To return to the previous menu, press ◀. To remove the menu, press **SETUP**.

Switching on/off

Switching to active mode

● Press the **SOURCE** control to select :
   DISC 1~5 → FM → MW → TV →
   AUX → DI → DISC 1~5 ....
   OR

   Press **DISC 1-2-3-4-5**, **TV**, **TUNER** or
   AUX/DI on the remote.

Switching to Eco Power standby mode

● Press **STANDBY ON** (⏻).
   ➜ The display screen will go blank and
   Standby LED lights up.

Using the remote to operate your 'Philips' television
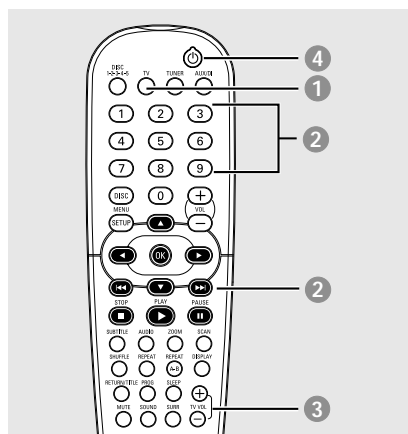
❶ Press and hold **TV** to switch to TV AV.

❷ Press **TV VOL +/−** to adjust the TV's
   volume level.

Setting the Sleep timer

The sleep timer enables the system to
switch to Eco Power standby mode
automatically at a preset time.

● Press **SLEEP** on the remote repeatedly
   until it reaches the desired preset turn-off
   time.
   ➜ The selections are as follows (time in
   minutes):
      15 → 30 → 45 → 60 → OFF → 15...
   ➜ Before the system switches to Eco
   Power standby mode, a countdown of 10
   seconds is displayed.
      "SLEEP 10" → "SLEEP 9".... →
      "SLEEP 1" → "STANDBY"

To cancel the sleep timer
● Press **SLEEP** repeatedly until "OFF"
   appears or press the **STANDBY ON**
   (⏻) button.

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Tuner Operations

IMPORTANT!
Make sure the FM and MW
antennas are connected.

Tuning to radio stations

❶ Press **TUNER** on the remote (or press **SOURCE** control at the front panel) to select "*TUNER/FM*" or "*TUNER/MW.*"

❷ Press ▲ / ▼ briefly on the remote.
→ The display panel will show "*SEARCH >*" until a radio station with sufficient signal strength is found.

❸ Repeat step ❷ if necessary until you find the desired radio station.

❹ To tune to a weak station, press ◀ / ▶ briefly and repeatedly until an optimal reception is found.

● If the FM station reception is weak, you can switch the FM mode from stereo to mono. Press **SURR** button will toggle through:
    DOLBY PL II FM ST (stereo)
    → DOLBY PL II FM MONO
    → STEREO FM MONO
    → STEREO FM ST

Presetting radio stations

You can store up to 20 FM and 10 MW preset radio stations in the memory.

Helpful Hints:
– The system will exit presetting mode if no button is pressed within 20 seconds.
– If no valid frequency is detected during Plug and Play,"CHK ANTENNA" appears.

Using the Plug and Play

Plug and Play allows you to store all available radio stations automatically.
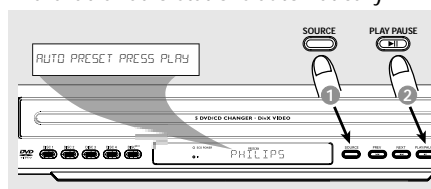
❶ **For first time setup**, press **SOURCE** on front panel to select TUNER mode.
→ "*AUTO PRESET PRESS PLAY*" appears.

❷ Press ▶II on the top panel or ▶ on the remote control to enter into auto install mode.
→ The system will start searching from FM band and followed by MW band.
All the available radio stations with strong signal strength will be stored automatically.
→ Once complete, the last tuned radio station will play.

Automatic presetting

Use automatic presetting to store or reinstall all the preset radio stations.

DVD system's display panel

① TUNER/FM

OR

TUNER/MW
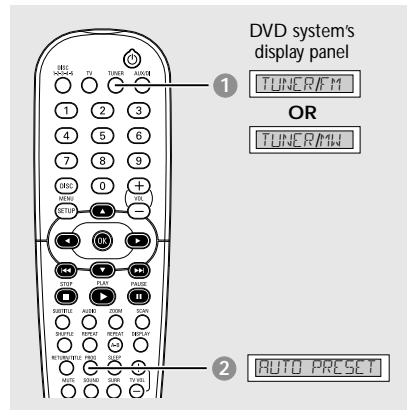
② AUTO PRESET

❶ Press **TUNER** on the remote to select "TUNER/FM" or "TUNER/MW".

❷ Press and hold **PROG** until "AUTO PRESET" appears.

→ If auto program is started from preset 'X', then programs will be stored starting from 'X'. All preset stored before 'X' point still remain.

Manual presetting

Use manual presetting to store only your favourite radio stations.

❶ Tune to your desired radio station (see "Tuning to radio stations".)

❷ Press **PROG**.

❸ Press |◀◀ / ▶▶| to select a preset number that you want to store the current radio station.

❹ Press **PROG** again to store.

Selecting a preset radio station

● Press **TUNER** on the remote, then press |◀◀ / ▶▶| to select a preset number (or use the numeric keypad on the remote.)

→ The waveband, preset number and radio frequency will appear.

Deleting a preset radio station

❶ In tuner mode, press |◀◀ / ▶▶| on the remote to select a preset radio station.

❷ Press and hold ■ until "FM XX DELTD", "MW XX DELTD", appears.

→ "X" is the preset number.

→ The radio station continues to play but has been deleted from the preset list.

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Changing tuning grid *(not available for all versions)*

In North and South America, the frequency step between adjacent channels in the MW band is 10 kHz (9 kHz in some areas). The preset frequency step in the factory is 9 kHz.

IMPORTANT!
Changing the tuning grid will erase all previously stored preset radio stations.

❶ Press **TUNER** on the remote (or press **SOURCE** control on front panel) to select "FM" or "MW".

❷ Press **STANDBY ON** to switch the DVD system to standby mode.

❸ While holding down **SOURCE** and ⏮◀◀ **PREV** on the front panel, disconnect and connect the power cord to the power supply again.
→ The display will show "GRID 9" or "GRID 10".

Helpful hints:
– GRID 9 and GRID 10 indicate that the tuning grid is in step of 9 kHz and 10 kHz respectively.
– The FM tuning grid also will be changed from 50 kHz to 100 kHz or vice versa.
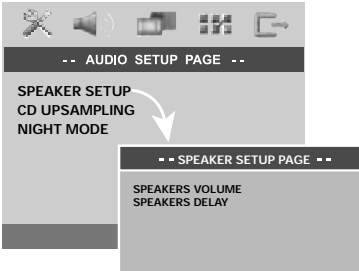
Sound and Volume Controls

Individual speakers volume adjustment

You can adjust the delay times (center rear speakers and subwoofer only) and volume level for individual speakers. These adjustments let you optimise the sound according to your surroundings and setup.

IMPORTANT!
Press SURR button on the remote to select Multi-channel surround mode before adjusting the speaker settings.

1 Press ■ to stop playback, then press **SETUP**.

2 Press ▶ repeatedly to select 'Audio Setup Page'.

3 Press ▲▼ to highlight { **SPEAKERS SETUP** } then press ▶.


```
-- AUDIO SETUP PAGE --
SPEAKER SETUP
CD UPSAMPLING
NIGHT MODE
        -- SPEAKER SETUP PAGE --
        SPEAKERS VOLUME
        SPEAKERS DELAY
```

4 Enter its submenu by pressing ▶.

5 Press ▲▼ to highlight one of the options below, then press ▶.

{ **SPEAKERS VOLUME** }
– Volume level setting for individual speakers (-6dB ~ +6dB).

Speakers Volume Setup	
Front Left	+6dB
Front Right	+6dB
Center	+6dB
Subwoofer	+0dB
Rear Left	+6dB
Rear Right	+6dB

{ **SPEAKERS DELAY** }
– Delay times setting in relation to the listening position/distance for center and rear speakers.

Speakers Delay Setup	
Center	0 ms
Rear Left	0 ms
Rear Right	0 ms

6 Press ◀ ▶ to adjust the setting that best suit your surround sound needs.

7 Press **OK** to confirm.

Helpful Hints:
– A 1ms increase/decrease of delay time is equivalent to 30cm change in distance.
– Use the longer delay time settings when the rear speakers are closer to the listener than the front speakers.
– The test tone will be automatically generated to help you judge the sound level of each speaker.

TIPS: The underlined option is the factory default setting.
To return to the previous menu, press ◀. To remove the menu, press **SETUP**.

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Sound and Volume Controls (continued)

Selecting surround sound

● Press **SURR** on the remote to select : MULTI-CHANNEL or STEREO.
→ The availability of the various surround sound modes depends on the number of speakers used and the sound available on the disc.
→ The center and rear speakers operate only in Multi-channel surround mode.
→ The available output modes for Multi-channel include: Dolby Digital, DTS (Digital Theater Systems) Surround and Dolby Pro Logic II.
→ Stereo broadcasts or recordings will produce some surround channel effects when played in a surround mode. However, mono (single channel sound) sources will not produce any sound from the rear speakers.

Helpful Hints:
– You are not able to select the surround sound mode if the system setup menu is turned on.

Selecting digital sound effects

Select a preset digital sound effects that matches your disc's content or that optimizes the sound of the musical style you are playing.

● Press **SOUND** to select the available sound effect.

When playing movie discs or in TV mode, you can select :
CONCERT, DRAMA, ACTION or SCI-FI.

When playing music discs or while in TUNER or AUX/DI mode, you can select :
ROCK, DIGITAL, CLASSIC or JAZZ (except for DivX/MP3).

Helpful Hints:
– For flat sound output, select CONCERT or CLASSIC.
– Sound effect is not active during line-out connection.

Volume control

● Adjust **VOLUME** control (or press **VOL +/−** on the remote) to increase or decrease the volume level.
→ "VOL MIN" is the minimum volume level and "VOL MAX" is the maximum volume level.

To turn off the volume temporarily

● Press **MUTE** on the remote.
→ Playback will continue without sound and "MUTE" appears.
→ To restore the volume, press **MUTE** again, or increase/decrease the volume level.

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Specifications

AMPLIFIER SECTION

Output power	900 W RMS
	11000 W PMPO
- Front	150 W RMS / channel
- Rear	150 W RMS / channel
- Centre	150 W RMS
- Subwoofer	150 W RMS
Frequency Response	20 Hz – 50 kHz / –3 dB
Signal-to-Noise Ratio	> 65 dB (CCIR)
Input Sensitivity	
- TV In	500 mV
- AUX In	1000 mV

TUNER SECTION

Tuning Range	FM 87,5 – 108 MHz (50 kHz)
	MW 531 – 1602 kHz (9 kHz)
	MW 530 – 1700 kHz (10 kHz)
26 dB Quieting Sensitivity	FM 20 dB
	MW 4 µV/m
Image Rejection Radio	FM 25 dB
	MW 28 dB
IF Rejection Ratio	FM 60 dB
	MW 45 dB
Signal-to-Noise Ratio	FM 60 dB
	MW 40 dB
MW Suppression Ratio	FM 30 dB
Harmonic Distortion	FM Mono 3%
	FM Stereo 3%
	MW 5%
Frequency Response	FM 180 Hz – 10 kHz / ±6 dB
Stereo Separation	FM 26 dB (1 kHz)
Stereo Threshold	FM 23.5 dB

DISC SECTION

Laser Type	Semiconductor
Disc Diametre	12cm / 8cm
Video Decoding	MPEG-1 / MPEG-2 / MPEG-4
	/ DivX 3.11, 4.x & 5.x
Video DAC	12 Bits, 108 MHz
Signal System	PAL / NTSC
Video Format	4:3 / 16:9
Video S/N	56 dB (minimum)
Composite Video Output	1.0 Vp-p, 75 Ω
S-Video Output	Y - 1.0 Vp-p, 75 Ω
	C - 0.286 Vp-p, 75 Ω
Audio DAC	24 Bits / 96 kHz
Frequency Response	4 Hz – 20 kHz (44.1 kHz)
	4 Hz – 22 kHz (48 kHz)
	4 Hz – 44 kHz (96 kHz)
PCM	IEC 60958
Dolby Digital	IEC 60958, IEC 61937
DTS	IEC 60958, IEC 61937

MAIN UNIT

Power Supply Rating	110 – 240 V; 50/60 Hz
Power Consumption	20 W
Dimensions (w x h x d)	435 mm x 74.7 mm x 441.4 mm
Weight	5.6 kg

FRONT AND REAR SPEAKERS

System	1-way
Impedance	6 Ω
Speaker drivers	1 x 76mm (3″) woofer
Frequency response	120 Hz – 20 kHz
Dimensions (w x h x d)	94 mm x 1078 mm x 68 mm
Base Dimensions (dia x h)	∅ 255 mm x 15 mm
Weight	2.72 kg/each

CENTRE SPEAKER

System	1-way
Impedance	6 Ω
Speaker drivers	1 x 76mm (3″) woofer
Frequency response	120 Hz – 20 kHz
Dimensions (w x h x d)	225 mm x 94 mm x 75 mm
Weight	0.78 kg

AV SUBWOOFER

Power Supply Rating	110 / 240V; 50/60 Hz
Power Consumption	360 W
System	Bass Reflex System
Impedance	6 Ω
Speaker drivers	8″ woofer
Frequency response	30 Hz – 120 Hz
Dimensions (w x h x d)	236 mm x 360 mm x 470 mm
Weight	10.76 kg

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
No power.	– Check if the AC power cord is properly connected. – Press the STANDBY ON on the front of the DVD system to turn on the power.
No picture.	– Refer to your TV user manual for correct Video In channel selection. Change the TV channel until you see the DVD screen. – Press DISC on the remote control. – If the progressive scan feature is activated but the connected TV does not support progressive signals or the cables are not connected accordingly, see page 20 for proper progressive scan set up or deactivate the progressive scan feature as below: 1) Turn off your TV progressive scan mode or turn on to interlaced mode. 2) Press OPEN CLOSE to open the disc tray. 3) Press ◀ on the remote control. 4) Press MUTE on the remote control.
Completely distorted picture or black/white picture.	– If this happens when you are changing the setting of the 'TV TYPE', wait for 15 seconds for the auto recovery. – If this happens when you are turning on the progressive scan feature, wait for 15 seconds for the auto recovery. – Check the video connection. – Sometimes a small amount of picture distortion may appear. This is not a malfunction. – Clean the disc.
The aspect ratio of the screen cannot be changed even though you have set the TV display.	– 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 the speaker connections and settings. – Make sure that the audio cables are connected and press the SOURCE button to select the correct input source (TV or AUX/DI, for example) to choose the equipment that you want to hear through the DVD system.
Cannot activate some features such as Angles, Subtitles, or multi-language Audio.	– The features may not be available on the DVD. – Changing the language for the sound or subtitle is prohibited on this DVD.

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Problem	Solution
Not able to select some Items in the setup/system menu.	– Press STOP button twice before selecting the setup/system menu. – Depending on the disc availability, some menu items cannot be selected.
The DVD system does not start playback.	– Insert a readable disc with the playback side facing down. The DVD+R/CD-R must be finalized. – Check the disc type, color system (PAL or NTSC) and region code. – Check for any scratches or smudges on the disc. – Press SETUP to turn off the setup menu screen. – You may need to enter the password in order to change the parental control rating level or to unlock the disc for playback. – Moisture may have condensed inside the system. Remove the disc and leave the system turned on for about an hour.
There is no sound from the centre and surround speakers.	– Make sure the center and rear speakers are connected correctly. – Press SURR button to select a correct surround sound setting. – Make sure the source you are playing is recorded or broadcast in surround sound (DTS, Dolby Digital, etc.)
Radio reception is poor.	– If the signal is too weak, adjust the antenna or connect an external antenna for better reception. – Increase the distance between the system and your TV or VCR. – Tune in to the correct frequency. – Place the antenna further away from any equipment that may be causing the interference.
The remote control does not function properly.	– Select the source (DISC or TUNER, for example) before pressing the function button (▶, ◀◀ , ▶▶.) – Reduce the distance between the remote control and the system. – Replace the batteries with new ones. – Point the remote control directly toward the IR sensor. – Check that the batteries are loaded correctly.
Unable to play DivX movies.	– Check that the DivX file is encoded in 'Home Theater' mode with DivX 5.x encoder.
The DVD system does not work.	– Disconnect the power cord from the power outlet for a few minutes. Reconnect the power cord and try to operate again as usual.
No output from all speakers and 'SPEAKER ERR' appears on the front display	– Disconnect and reconnect again the power cord from both the subwoofer and system. – Check the speaker connections. They should be color-matched.

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Glossary

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: Red and white jacks on the back of the DVD System 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.

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

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

DivX 3.11/4.x/5.x: The DivX code is a patent-pending, MPEG-4 based video compression technology, developed by DivXNetworks, Inc., that can shrink digital video to sizes small enough to be transported over the internet, while maintaining high visual quality.

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

Dolby Surround Pro Logic II: It is an improved matrix decoding technology that provides better spatiality and directionality on Dolby Surround program material; provides a convincing three-dimensional soundfield on convertional stereo music recordings; and is ideally suited to bring the surround experience to automotive sound. While conventional surround programming is fully campatible with Dolby Surround Pro Logic II decoders, soundtracks will be able to be encoded specifically to take full advantage of Pro Logic II playback, including separate left and right surround channels. (Such material also compatible with conventional Pro Logic decoders.)

DTS: Digital Theater Systems. This is a surround sound system, but it is different from Dolby Digital. The formats were developed by different companies.

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.

MP3: A file format with a sound data compression system. "MP3" is the abbreviation of Motion Picture Experts Group 1 (or MPEG-1) Audio Layer 3. By using the MP3 format. One CD-R or CD-RW can contain about 10 times more data then a regular CD.

Multichannel: DVDs are formatted to have each sound track constitute one sound field. Multichannel refers to a structure of sound tracks having three or more channels.

Parental control: Limits Disc play according to the age of the users or 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.

Playback control (PBC): Refers to the signal recorded on video CDs or SVCDs for controlling playback. By using menu screens recorded on a Video CD or SVCD that supports PBC, you can enjoy interactive playback and searching.

Plug and Play: First time power up to the Tuner mode, the system will prompt the user to proceed with the automatic installation of radio stations by simply pressing the PLAY button on the main unit.

Progressive Scan: It displays all the horizontal lines of a picture at one time, as a signal frame. This system can convert the interlaced video from DVD into progressive format for connection to a progressive display. It dramatically increases the vertical resolution.

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 on 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 the luminance and the color. You can use S-Video only if your TV has an S-Video In jack.

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

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.

VIDEO OUT jack: Yellow jack on the back of the DVD system that sends the DVD picture video to a TV.