DVD VIDEO / SACD HOME THEATRE SYSTEM









PHILIPS

Language Code

Abkhazian	6566	Inupiaq	7375	Pushto	8083
Afar	6565	Irish	7165	Russian	8285
Afrikaans	6570	Íslenska	7383	Quechua	8185
Amharic	6577	Italiano	7384	Raeto-Romance	8277
Arabic	6582	lvrit	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
Chechen	6769	Lingala	7678	Svenska	8386
Chewa; Chichewa; Nyanj	a 7889	Lithuanian	7684	Tagalog	8476
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Chuang; Zhuang	9065	Macedonian	7775	Tajik	8471
Church Slavic; Slavonic	6785	Malagasy	7771	Tamil	8465
Chuvash	6786	Magyar	7285	Tatar	8484
Corsican	6779	Malayalam	7776	Telugu	8469
Česky	6783	Maltese	7784	Thai	8472
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Deutsch	6869	Maori	7773	Tigrinya	8473
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Esperanto	6979	Moldavian	7779	Tswana	8478
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Français	7082	Ndebele, South	7882	Ukrainian	8575
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Herero	7290	Oriya Oromo	7982 7977	Yoruba Zulu	8979
Hindi	7273		7977 7983	Zulu	9085
Hiri Motu	7279	Ossetian; Ossetic			
Hrwatski	6779	Pali Pariah:	8073 8065		
ldo	7379	Panjabi	7065		
Interlingua (Internationa		Persian	8076		
Interlingue Inuktitut	7365 7385	Polski	8076 8084		
mukutut	/303	Português	3007		

English -----

中文(简体) ------ 40

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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'.

LASER

Type Semiconductor laser GaAlAs
Wave length 650 nm (DVD)

780 nm (VCD/CD)

7 mW (DVD) 10 mW (VCD/CD)

Beam divergence 60 degree

CAUTION

Output Power

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

Due to the inconsistency of disc formats provided by various disc manufacturers, your DVD system/ player/recorder may require a playability enhancement or upgrade. As DVD technology advances, these enhancement will become common and will be easy to complete. Go to www.p4c.philips.com for software upgarde.

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General Information

Supplied accessories

Composite video cable (yellow)

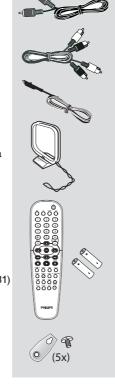
Audio cables (red/white)

FM wire antenna

MW loop antenna

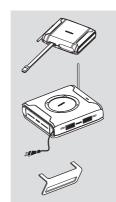
Remote control and two batteries (12nc: 3139 258 70031)

Speaker brackets and screws



Additional accessories (only for LX3950W)

Wireless



Wireless receiver

Table stand for wireless receiver

Care and safety information

Avoid high temperatures, moisture, water and dust

 Do not expose the system, 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 getting dust on the lens.

Avoid condensation problem

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.

Do not block the vents

 Do not operate the DVD system in an enclosed cabinet and allow about 10 cm (4 inches) of free space all around the player for adequate ventilation.



Care of disc

 To clean a CD, wipe it in a straight line from the centre toward the edge using a soft, lint-free cloth. Do not use cleaning agent, as they may damage the disc.



- Write only on the printed side of a CD-R/CD-RW and only with a soft felttipped pen.
- Handle the disc by its edge, do not touch the surface.

Care of the cabinet

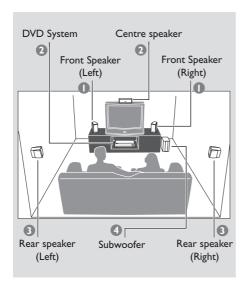
 Use a soft cloth slightly moistened with a mild detergent solution. Do not use a solution containing alcohol, spirits, ammonia or abrasives.

Finding a suitable location

 Place the player on a flat, hard, stable surface.

Connections

Step 1: Placing the speakers and subwoofer



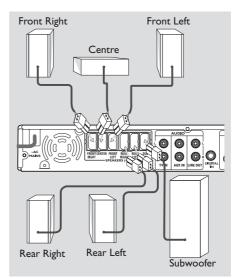
For best possible surround sound, all the speakers (except subwoofer) should be placed at the same distance from the listening position.

- 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.
- Place the centre speaker above the TV or the DVD system so that the centre channel's sound is localised.
- 3 Place the rear speakers at normal listening ear level facing each other or hang on the wall.
- 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.

Step 2: Connecting speakers and subwoofer



Connect the supplied speaker systems using the fixed speaker cables by matching the colours of the jacks and speaker cables.

For LX3950W wireless system connection, please refer to the separate 'Quick Use Guide'.

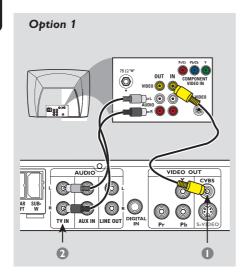
The wireless transmitter and receiver give you the option for wireless speaker connection.

Helpful Hints:

- Ensure that the speaker cables are correctly connected. Improper connections may damage the system due to short-circuit.
- To prevent unwanted noise, do not place the wireless transmitter and receiver too close to the DVD system, AC power adaptor, TV or other radiation sources.

Connections

Step 3: Connecting TV

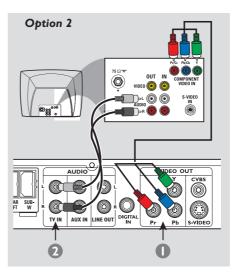


IMPORTANT!

- You only need to make <u>one</u> video connection from the following options, depending on the capabilities of your TV.
- S-Video or Component Video connection provides higher picture quality. These options must be available on your TV.
- Connect the DVD system directly to the TV.

Using Composite Video jack (CVBS)

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

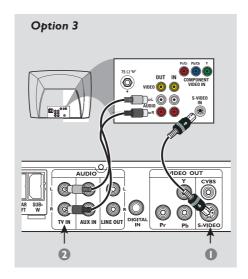


IMPORTANT!

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

Using Component Video jacks (Y Pb Pr)

- Use a 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 labelled as Y Pb/Cb Pr/Cr or YUV) on the TV.
- To hear the TV channels through this DVD system, use the supplied audio cables (white/red) to connect AUDIO-TV IN jacks to the corresponding AUDIO OUT jacks on the TV.
- If you are using a Progressive Scan TV (TV must indicate Progressive Scan or ProScan capability), refer to page 28 for proper progressive scan video output setup.

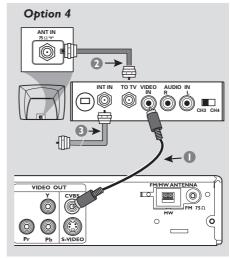


IMPORTANT!

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

Using S-Video jack

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



IMPORTANT!

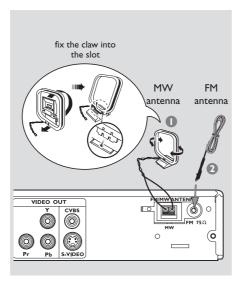
If your TV only has a single Antenna In jack (labelled as 75 ohm or RF In), you will need an RF modulator in order to view DVD playback on the TV. See your electronics retailer or contact Philips for details on RF modulator availability and operations.

Using an accessory RF modulator

- Use the supplied composite video cable (yellow) to connect the DVD system's
 CVBS jack to the video input jack on the RF modulator.
- 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).

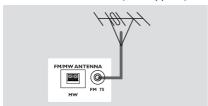
Connections

Step 4: Connecting FM/MW antennas



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

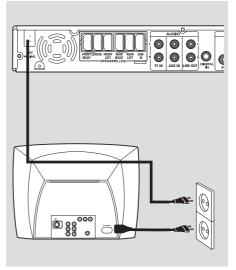
For better FM stereo reception, connect an external FM antenna (not supplied).



Helpful Hints:

- $\boldsymbol{-}$ 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 5: Connecting the power cord



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

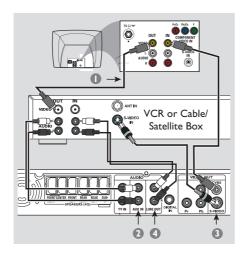
Never make or change any connections with the power switched on.

Helpful Hint:

 Refer to the type plate on the rear or bottom of the system for identification and supply ratings.

Connections (Optional)

Connecting a VCR or Cable/Satellite Box



Viewing and listening to the playback

- Connect the VCR or Cable/Satellite Box to the TV as shown.
- Connect the DVD system's AUX IN (R/L) jacks to the AUDIO OUT jacks on the VCR or cable/satellite box.

Before starting operation, press **AUX/DI** on the remote to select " $\exists \exists x$ " in order to activate the input source.

Using the VCR for recording DVD playback

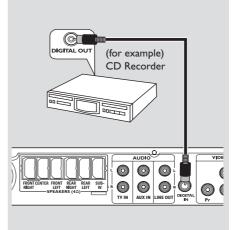
Some DVDs are copy-protected. You cannot record or dub protected discs using a VCR.

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

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

Connecting digital audio equipment



Listening to the playback

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

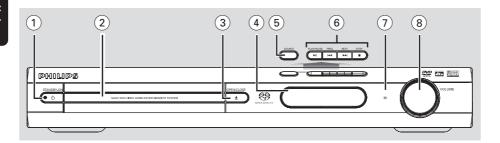
Before starting operation, press **AUX/DI** on the remote to select "II" in order to activate the input source.

Helpful Hints:

- Some DVDs are copy-protected. You cannot record the disc through a VCR or digital recording device.
- You cannot hear or record the SACD or MP3-CD playback if you use the digital connection.
- For your playback through DIGITAL IN connection, set the digital output of that player to PCM format.
- Always refer to the owner's manual of the other equipment for complete connection and use details.

Functional Overview

Main unit and remote control



① STANDBY ON (也)

- Switches to Eco Power standby mode or turns on the system.
- Led ON in Eco Power standby mode.
- (2) Disc tray
- ③ OPEN•CLOSE ▲
- Opens/Closes the disc tray.
- 4 System display panel
- (5) **SOURCE**
- Selects the relevant active source mode: DISC,TV,TUNER or AUX/DI.
- DISC: switches to DISC source mode.
- TV: switches to TV source mode and/or *to turn on the Philips TV (only on the remote control).
- TUNER: toggles between FM and MW band.
- AUX/DI: toggles between AUX and DIGITAL IN source mode.

(6) ► II PLAY•PAUSE

- DISC: starts/pauses playback.
- TUNER: starts preset radio station installation in Plug & Play mode (only on the main unit).

I◀◀ PREV / NEXT ▶▶

- DISC: *searches backward/forward or selects a track.
- TV: selects previous/next channel (Philips TV only).
- TUNER: tunes the radio frequency up/ down.

■ STOP

- Exits an operation.
- DISC: stops playback.
- TUNER: *erases a preset radio station.

(7) iR

Point the remote control towards this sensor.

(8) VOLUME (VOL +-)

- Adjusts the volume level.

Control buttons available on the remote only

- (9) **DISC MENU** (DISC source mode only)
- Enters or exits disc contents menu.
- For VCD version 2.0 only;
 In stop mode, turns on/off playback control (PBC) mode.
 During playback, returns to main menu.

10 **OSD MENU** (DISC source mode only)

- Enters or exits on-screen display.

(11) ◀▶▲▼

- Selects movement direction in the menu.
- Use ◀▶ to select a preset radio station.
- Use ▲ ▼ to select auto tuning in Tuner source mode.

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

Functional Overview

(12) ANGLE

Select a DVD disc camera angle (if available).

(13) SUBTITLE

Selects a subtitle language.

(14) REPEAT

Selects various repeat modes.

15) REPEAT A-B

- Repeats a specific section on a disc.

16 AUDIO

 Selects an audio language (DVD) or an audio channel (CD).

17) MUTE

- Mutes or restores the volume.

(18) PROG

- DISC: starts programming.
- TUNER: starts *automatic/ manual preset programming.

(19) **SOUND**

- Selects a sound effect.

20 SLEEP

Sets the sleep timer function.

21) SURR

Selects multichannel surround or stereo mode.

22 TV VOL + -

Adjusts TV volume (Philips TV only).

23 SCAN

 Plays the first few seconds of each track/ chapter within a disc.

24) RETURN/TITLE

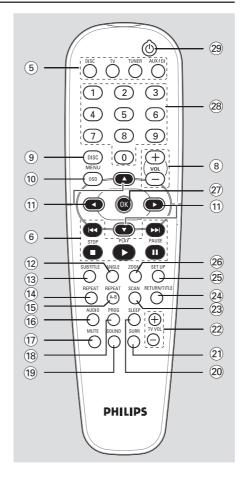
- To go back to previous menu.
- Displays the disc's Title menu (if available).

25 SETUP

Enters or exits system setup menu.

26 ZOOM

- Enlarges a picture on the TV screen.



27) OK

Confirms a selection.

28 Numeric Keypad (0-9)

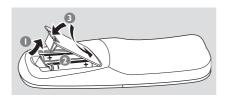
- Enters a track/title number of the disc.
- Enters a number of a preset radio station.

(29) (l

- Switches to Eco Power standby mode.
- In TV mode, *switches Philips TV on/off.

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

Step 1: Inserting batteries into the remote control



- Open the battery compartment.
- Insert two batteries type R06 or AA, following the indications (+ -) inside the compartment.
- 3 Close the cover.

Using the remote control to operate the system

- Aim the remote control directly at the remote sensor (iR) on the front panel.
- 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 ► II, |◄◄, ►►|).

CAUTION!

- Remove batteries if they are exhausted or if the remote is not to be 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 the TV

IMPORTANT!

Make sure you have completed all the necessary connections. (See pages 8-9 "Connecting TV").

- Press SOURCE control until "II5C" appears on the display panel (or press DISC on the remote).
- Turn on the TV and set to the correct video-in channel. You should see the blue DVD background screen on the TV.
 - → Usually this channel is between the lowest and highest channels and may be called FRONT, A/V IN, 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.

Selecting the colour system that corresponds to your TV

In order for a DVD to play on this DVD system, the colour system of the DVD, the TV and the DVD player should match. Before changing the TV system, determine the colour system of your TV.

- In disc mode, press **SETUP**.
- ② Press ► repeatedly to select {VIDEO SETUP PAGE}.
- 3 Press ▲▼ to highlight {TV TYPE}, then press ▶.



Press ▲▼ to highlight one of the options below:

<u>PAL</u> – Select this if the connected TV has the PAL colour 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 colour 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.

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 auto recovery.

Setting the TV Display

Set the aspect ratio of the DVD Player 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.

- In disc mode, press **SETUP**.
- ② Press ► repeatedly to select {VIDEO SETUP PAGE}.
- 3 Press ▲▼ to highlight {TV DISPLAY}, then press ►.



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.

<u>16:9</u> – Select this if you have a widescreen TV.



Select a setting and press OK.

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 setting language will be used instead. The OSD (on-screen display) language for the system menu will remain as you set it, regardless of various disc languages.

On-screen display (OSD) language

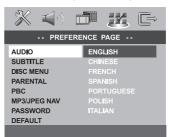
- In disc mode, press **SETUP**.
- 2 Press ► to select {GENERAL SETUP PAGE}.
- Press ▲▼ to highlight {OSD LANGUAGE}, then press ▶.



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

Audio, Subtitle and Disc menu languages

- Press twice to stop playback (if any), then press SETUP.
- ② Press ► repeatedly to select {PREFERENCE PAGE}.
- Press ▲▼ to highlight one of the options below at a time, then press ►.
 - {AUDIO} (disc's soundtrack)
 - {SUBTITLE} (disc's subtitles)
 - {DISC MENU} (disc's menu)



4 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 2 "Language Code") and press **OK** to confirm.

⑤ Repeat steps **⑥**~**④** for other settings.

To return to the previous menu, press <. To remove the menu, press SETUP.

TIPS:

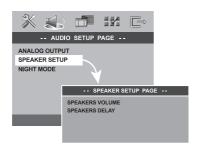
Step 4: Setting the speakers' channels

You can adjust the delay times (centre and surround 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.

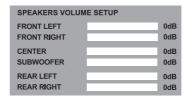
- Press to stop playback, then press SETUP.
- ② Press ► repeatedly to select {AUDIO SETUP PAGE}.
- 3 Press ▲▼ to highlight {SPEAKER SETUP}, then press ▶.



4 Enter its submenu by pressing ▶.

§ Press ▲▼ to highlight one of the options below at a time, then press ▶.

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



 ${SPEAKERS\ DELAY}$ – Delay times setting in relation to the listening position/ distance for center and surround speakers $(1m \sim 10m)$.



- 6 Press ◀► to adjust the setting that best suit your surround sound needs.
- Press **OK** to confirm.

Helpful Hints:

- Use the longer delay time settings when the surround 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.

To return to the previous menu, press ◀.
To remove the menu, press **SETUP**.

TIPS:

IMPORTANT!

- If the inhibit icon (ø 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 cinema system will play:

- Digital Versatile Discs (DVDs)
- Video CDs (VCDs)
- Super Video CDs (SVCDs)
- Super Audio CDs (SACDs)
- Finalised Digital Video Discs + Recordable[Rewritable] (DVD+R[W])
- Audio Compact Discs (CDs)
- MP3 discs, picture (Kodak, JPEG) files on CD-R(W).
 - JPEG/ISO 9660 format
 - Maximum 30 characters display
 - 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.



Region Codes

DVDs must be labelled for **ALL** regions or **Region 6** in order to play on this DVD system. You cannot play discs that are labelled for other regions.



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.

Playing discs

- Press SOURCE control until "II5E" appears on the display panel (or press DISC on the remote).
- 2 Turn on the TV power and set to the correct Video In channel. (See page 14 "Setting the TV").
 - → You should see the blue DVD background screen on the TV.
- ③ Press OPEN•CLOSE once to open the disc tray and load a disc, then press the same button again to close the disc tray
 - → Make sure the disc label is facing up. For double-sided discs, load the side you want to play face up.
- ◆ Playback will start automatically.
 → If a disc menu shows on the TV, see page 20 "Using the Disc Menu".
 → If the disc is locked by parental control, you must enter your six-digit password. (See pages 29-31).

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

Pausing playback

During playback, press II (►II).
 → To resume normal playback, press PLAY ► (►II).

Selecting another track/chapter

- Press I◄◄ / ►►I or use the numeric keypad (0-9) to key in a track/chapter number.
 - → If repeat mode is active, pressing

 ✓

 / ▶▶ will replay the same track/chapter.

Searching backward/forward

Stopping playback

● Press ■.

Selecting various repeat/ shuffle functions

Repeat play mode

 While playing a disc, press REPEAT continuously to choose a 'Play Mode'.

DVD

- → RPT ONE (repeat chapter)
- → RPT TT (repeat title)
- → SHUFFLE (random play)
- → RPT SHF (repeat shuffling)
- → RPT OFF (repeat off)

VCD/SVCD/CD

- → RPT ONE (repeat track)
- → RPT ALL (repeat disc)
- → SHUFFLE (random play)
- → RPT SHF (repeat shuffling)
- → RPT OFF (repeat off)

MP3/SACD/DivX

- → RPT FLD (repeat folder)
- → RPT ONE (repeat track)
- → SHUFFLE (random play)
- → RPT OFF (repeat off)

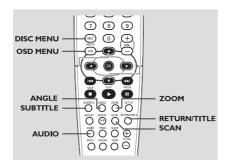
Helpful Hint:

 For VCD, repeat playback is not possible if the PBC mode is switched on.

Repeating a section within a chapter/track

- While playing a disc, press REPEAT A-B at your chosen starting point.
- Press REPEAT 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.
- To exit the sequence, press REPEAT A-B.

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



Using the Disc Menu

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

Zooming in

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

- During playback, press ZOOM repeatedly to select different zoom factor.
 - → Use ◀ ▶ ▲ ▼ keys to move through the zoomed image.
 - → Playback will continue.
- Press ZOOM repeatedly to return to the original size.

Using the OSD menu

OSD menu shows 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.

During playback, press OSD MENU.
 → A list of available disc information appears on the TV screen.





- Press ▲▼ to view the information and press OK to access.
- 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.

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.

- Load one of the last played 10 disc.→ "L□A□ING" appears.
- Press PLAY ► (►II) and the disc will be played back from the last stop point.

To cancel the resume mode

■ In stop mode, press ■ again.

Advancing by frame

- During playback, press on the remote.
 → Play will pause and sound will be mute.
- Press II again to select the next picture frame.
- To resume normal playback, press PLAY ►.

Changing sound track language

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

 Press SUBTITLE repeatedly to select different subtitle languages.

Viewing from another angle (DVD only)

If the disc contains sequences recorded from different camera angles, this allows you to view the picture from different angles.

- Press ANGLE repeatedly to select a desired angle.
 - → Playback changes to the selected angle.

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.

- Press RETURN/TITLE.
 → The disc title menu appears on the TV screen.
- Use ◀► ▲ ▼ keys or numeric keypad (0-9) to select a play option.
- 3 Press **OK** to confirm.

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 30).

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 playback directly from the beginning.

Preview Function (VCD only)

- Press SCAN.
- Press ▲▼ to highlight {TRACK DIGEST}, {DISC INTERVAL} or {TRACK INTERVAL}.
- 3 Press **OK** to open one option.

SELECT DIGEST TYPE: TRACK DIGEST DISC INTERVAL TRACK INTERVAL

Track Digest

This function will minimise 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.



(example for 6 thumbnail pictures display)

- Use ◀► ▲ ▼ keys to select a track or use numeric keypad (0-9) to input the selected track number next to {SELECT}.
- ⑤ Press | ◄ ✓ / ► ► | to open the previous or next page.
- 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.

Playing MP3/JPEG/DivX/MPEG-4 disc

This player can playback DivX, 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 14 "Setting the TV").

- 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.



- ② Press ▲▼ to select the folder and press OK to open the folder.
- 3 Press ▲▼ to select a track/file.
- ◆ Press **OK** to confirm.
 → Playback will start from the selected file to the end of the folder.

During playback, you can;

- Press | ◄ ✓ / ► ► | to select another track/file in the current folder.

- Press REPEAT continuously to access different 'Play Mode'.
 - → REPEAT FOLDER: all files in one folder being played repeatedly.
 - → REPEAT ONE: one file being played repeatedly.
 - → SHUFFLE: all files in the current folder being played at random order.
- Press II to pause or PLAY ➤ to resume playback.

Playing MP3 music and JPEG picture simultaneously

- Load a MP3 disc that contains music and picture.
 - → The disc menu appears on the TV
- Select a MP3 track and press PLAY (>II) to start playback.
- Ouring MP3 music playback, select a picture folder from the TV screen and press PLAY ► (►II).
 - → The picture files will be played back until end of the folder.
- To quit simultaneous playback, press DISC MENU followed by ■.

Helpful Hints:

- It may not be possible to play certain MP3/JPEG/DivX/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.
- It is normal to experience an occasional pixelation during MPEG-4/DivX playback due to poor clarity of digital contents during internet downloading.
- For multi-session discs with different formats, only the first session will be available.

Playing Super Audio CD (SACD)

There are three types of SACD discs: single layer, double layer or hybrid disc. The hybrid disc contains both Super Audio CD and standard audio CD layers, only the SACD layer is possible to playback on this DVD system.

- Load a SACD.
 → The disc menu appears on the TV
- Playback will start automatically.
 → If the SACD consists of multi-channel and stereo tracks, multi-channel tracks will have the priority for playback.
 → To playback stereo tracks, use ▲ ▼ keys to make your selection from the disc menu, then press PLAY ► (or ►11).

Helpful Hint

- Programming SACD tracks is not possible.

Special features for picture disc playback

IMPORTANT!

You have to turn on your TV and set to the correct Video In channel. (See page 14 "Setting the TV").

- Load a Picture disc (Kodak Picture CD, JPEG).
 - → For Kodak disc, the slide show will begin.
 - → For JPEG disc, the picture menu appears on the TV screen. Press PLAY ► (►II) to start the slide-show playback.

Preview Function

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

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



- 2 Press | ✓ ✓ / ► ► | to display the other pictures on the previous/next page.
- 3 Use ◀▶ ▲ ▼ keys to highlight one of the picture and press **OK** to start playback.
- Press DISC MENU to return to Picture CD menu.

Zoom picture

- During playback, press **ZOOM** repeatedly to select different zoom factor.
- 2 Use ◀► ▲ ▼ keys to move through the zoomed image.

Playback with multi-angles

- 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

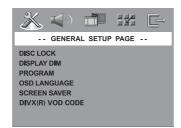
Scan Effect

- Press ANGLE repeatedly to choose a different scan effect.
 - → Various scan effects appear in the top left corner of the TV screen.

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

General Setup menu

- In disc mode, press **SETUP**.
- 2 Press ◀► to select 'General Setup' icon.
- 3 Press OK to confirm.



Locking/Unlocking the disc for viewing

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.

• 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 31 "Changing the password").

LINI OCK

Select this to unlock the disc and allow future playback.

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

Dimming system's display panel

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

- 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 dimming the display.
- Press ▲▼ to select a setting and press OK to confirm.

Programming disc tracks (not for Picture CD/MP3/SACD)

You can play the contents of the disc in the order you want by programming the tracks to be played. Up to 20 tracks can be stored.

- Press PROG on the remote. OR In 'GENERAL SETUP PAGE', press ▲▼ to highlight {PROGRAM}, then press ► to select {INPUT MENU}.
- Press OK to confirm.



To programme your favourite tracks/chapter

- 3 Use the **numeric keypad (0-9)** to enter a valid track/chapter number.
- Use ◀▶ ▲ ▼ keys to move the cursor to the next position.
 - → If the number of tracks is more than ten, press ▶► to open the next page and proceed with programming or,
 - → Use ◀ ▶ ▲ ▼ keys to highlight {NEXT} on the programme menu, then press **OK**.

Repeat steps 3~4 to input another track/chapter number.

If you want to remove a track

- 6 Use ◀► ▲ ▼ keys to move the cursor to the track you want to remove.
- Press **OK** to remove this track from the programme menu.

To start programme playback

Use ▼► ▲ ▼ keys to highlight {START} on the programme menu, then press OK.
 → Playback will start with the selected tracks under the programmed sequence.

To exit programme playback

Use ◀► ▲ ▼ keys to highlight {EXIT} on the programme menu, then press OK.

OSD Language

This menu contains various language options for display language on the screen. For details, see page 16.

Screen Saver - turning on/off

The screen saver will help to prevent your TV display device from becoming damaged.

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

ON

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.

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.

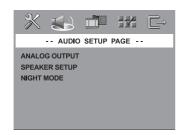
- In 'GENERAL SETUP PAGE', press ▲▼ to highlight {DIVX(R) VOD CODE}, then press ▶.
 - → The registration code will appear.
- Press **OK** to exit.
- Use the registration code to purchase or rent the videos from DivX®VOD service at www.divx.com/vod. Follow the instructions and download the video onto 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.

Audio Setup Menu

- In disc mode, press **SETUP**.
- 2 Press ◀► to select 'Audio Setup' icon.
- Press OK to confirm.



Setting the analogue output

Set Analogue Output to match your DVD home theatre system's playback capability. This function can also be accessed via the SURR. button on the remote.

• In 'AUDIO SETUP PAGE', press ▲▼ to highlight {ANALOG OUTPUT}, then press ▶.

STEREO

Select this to change channel output to stereo which delivers sound from only the two front speakers and subwoofer.

MULTI-CHANNEL

Select this to enable Multi-channel output.

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

Speaker Setup

This menu contains setup options for your audio output which makes the speaker setup system reproduce high quality surround sound. For details, see page 17.

Night Mode - turning on/off

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

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

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.

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

Video Setup Menu

- In disc mode, press **SETUP**.
- 2 Press ◀► to select 'Video Setup' icon.
- Press OK to confirm.



TV Type

This menu contains the options for selecting the colour system that matches the connected TV. For details, see page 15.

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 15.

Progressive function - turning on/off

The progressive scan display present 60 complete frames per seconds, rather than 30 frames per second of interlaced scanning (ordinary normal TV system). With nearly double the number of line, progressive scan offers higher picture resolution and eliminates bothersome motion artifacts those jagged edge on moving objects.

IMPORTANT!

Before enable the progressive scan function, you must ensure:

- Turn on your TV progressive scan function (refer to your TV owner's manual).
- 2) You have connected the DVD system to your TV using Y Pb Pr (see page 8).
- In 'VIDEO SETUP PAGE', press ▲▼ to highlight {PROGRESSIVE}, then press ▶.

OFF

Select this to disable progressive scan function.

ON

Select this to enable progressive scan function.

- ② 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,
 - → If a blank/distorted TV screen appears wait for 15 seconds for auto recovery.

Picture Setting

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

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

STANDARD

Select this for standard picture setting.

BRIGHT

Select this will make the TV picture brighter.

SOFT

Select this will make the TV picture softer.

PERSONAL

Select this to personalise your picture colour by adjusting the brightness, contrast, tint and colour (saturation).

- ② Press ▲▼ to select a setting and press OK to confirm.
- If you select {PERSONAL}, then proceed to steps 4~7.
 - → The 'PERSONAL PICTURE SETUP' menu appears.



4 Press ▲▼ to highlight one of the following options.

BRIGHTNESS

Increase the value to brighten the picture or vice versa. Choose zero (0) for average setting.

CONTRAST

Increase the value to sharpen the picture or vice versa. Choose zero (0) to balance the contrast.

TINT

Increase or decrease the value to change the colour phase of the picture. Choose zero (0) for average setting.

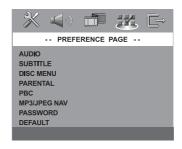
COLOUR

Increase the value to enhance the colour in your picture or vice versa. Choose zero (0) to balance the colour.

- ⑤ Press ◀► to adjust the setting that best suit your personal preference.
- Repeat steps 4~5 for adjusting other colour features.
- Press **OK** to confirm.

Preference Setup Menu

- Press twice to stop playback (if any), then press SETUP.
- 2 Press ◀► to select the 'Preference Setup' icon.
- 3 Press **OK** to confirm.



Audio, Subtitle, Disc Menu

These menus contain various language options for audio, subtitle and disc menu which may be recorded on the DVD. For details, see page 16.

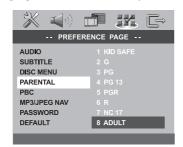
Restricting playback by Parental

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.

To return to the previous menu, press **T**. To remove the menu, press **SETUP**.

TIPS:

In 'PREFERENCE PAGE', press ▲▼ to highlight {PARENTAL}, then press ▶.



- Press ▲▼ to highlight a rating level for the disc inserted and press OK.
 To disable Parental controls and allow all discs to play, select {1 KID SAFE}.
- Use the numeric keypad (0-9) to enter the six-digit password (see page 31 "Changing the password").
 → DVDs that are rated above the level you selected will not play unless you

Rating explanations

enter your six-digit password.

1KID 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 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 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 22.

MP3/JPEG Menu - turning on/off

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

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

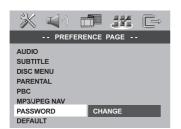
Select this to display only the folder menu of the MP3/Picture CD.

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

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.

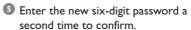
• In 'PREFERENCE PAGE', press ▲▼ to highlight {PASSWORD}, then press ► to select {CHANGE}.



2 Press **OK** to enter the 'Password Change Page'.



- 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'.
- 4 Enter the new six-digit password.



- → The new six-digit password will now take effect.
- 6 Press OK to confirm.

Restoring to original settings

Setting the DEFAULT function will reset all options and your personal settings to the factory defaults, except your password for Parental Control and Disc Lock.

- In 'PREFERENCE PAGE', press ▲▼ to highlight {DEFAULT}, then press ► to select {RESET}.
- Press OK to confirm.
 → All settings will now reset to factory defaults.

Tuner Operations

IMPORTANT!

Make sure the FM and MW antennas are connected.

Tuning to radio stations

- Press TUNER on the remote (or press SOURCE control on front panel) to select "F↑" or "↑↑\".
- 2 Press ▲▼ briefly on the remote.
 - → "SERREH" appears.
 - → The next radio station will tune automatically.
- 3 To tune a weak station, press | ◄
 briefly and repeatedly until an optimal reception is found.

Presetting radio stations

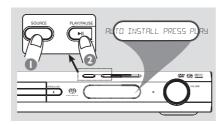
You can store up to 20 FM and 10 MW preset radio stations in the memory.

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, "EHEEK ANTENNA" appears.

Using the Plug and Play

Plug and Play allows you to store all available radio stations automatically.

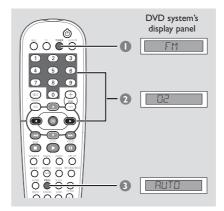


For first time setup, press SOURCE on front panel to select TUNER mode.
 → "AUTO INSTALL PRESS PLAY" appears.

- 2 Press >II on the front panel to start installation.
 - → "INSTALL TUNER" appears.
 - → Once completed, si] last tuned radio station will play.
 - → FM followed by MW bands will be stored.

Automatic presetting

You can start the automatic presetting from a selected preset number.



- Press **TUNER** on the remote to select "FM" or "MW".
- ② Press ◀ ▶ or use the numeric keypad (0-9) to select a preset number to begin.
- 3 Press and hold **PROG** until "RUTO" appears.
 - → If a radio station is stored in one of the earlier presets, the same radio station will not store under another preset number.
 - → If no preset number is selected, automatic preset will begin from preset (1) and all your former presets will be overridden.

Tuner Operations

Manual presetting

You can choose to store only your favourite radio stations.

- Tune to your desired radio station (see "Tuning to radio stations").
- 2 Press PROG.
- 3 Press ◀ ▶ to select a preset number.
- 4 Press **PROG** again to store.

Selecting a preset radio station

Press ◀ ▶ or use the numeric keypad (0-9) to select a preset number.
 The waveband, preset number followed by radio frequency will appear.

Deleting a preset radio station

Press and hold ■ until "MNXX DELETED" or "FMXX DELETED" appears.
 The current preset radio station will be deleted.

Sound and Volume Controls

Sound Control

IMPORTANT!

For proper surround sound, make sure the speakers and subwoofer are connected (see page 7).

Selecting surround sound

- Press SURR 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 centre and surround speakers operate only in Multi-channel surround
 - → The available output modes for Multichannel include: Dolby Digital, DTS (Digital Theatre 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 surround speakers.

Helpful Hints:

mode.

- SURR button is not functional for SACD playback. You have to access to the disc menu in order to select between multichannel and stereo tracks, see page 24.
- 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 optimises the sound of the musical style you are playing.

Press **SOUND** on the remote.

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.

Helpful Hint:

 For flat sound output, select CONCERT or CLASSIC.

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 MBX" 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 the volume level.

Other Functions

Switching on/off

Switching to active mode

Press the **SOURCE** control to select:
 DISC → FM → MW→ TV → AUX →
 DI → DISC

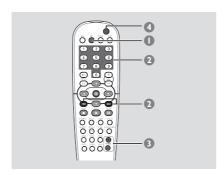
OR

Press **DISC**, **TV**, **TUNER** or **AUX/DI** on the remote.

Switching to Eco Power standby

Press STANDBY ON (₺).
 The display screen will go blank.

Using the remote to operate your 'Philips' television



- Press and hold TV to turn on your TV.
- ② Press ◄◄ / ►► or use the numeric keypad (0-9) to select the TV's channel.
- Press TVVOL +/— to adjust the TV's volume level.
- 4 Press and hold () to turn off your TV.

Helpful Hint:

 When listening to TV or AUX/DI programmes, press the respective TV or AUX/DI button on the remote in order for the sound to be heard.

Recording to an external device

- Connect the external recording device to LINE OUT (R/L). (See page 11 "Connections-optional").
- Select the source to record from your DVD system (DISC,TUNER,TV or AUX/DI) and start playback (if necessary).
- For ultimate recording, press SOUND to select 'CLASSIC' or 'CONCERT' and press SURR to select 'STEREO'.
- Start recording on the external recording device.

Helpful Hint:

 Refer to the owner's manual of the connected equipment for details.

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):

$$15 \rightarrow 30 \rightarrow 45 \rightarrow 60 \rightarrow 0FF \rightarrow 15...$$

- → **SLEEP** will show on the display panel, except if "□FF" is selected.
- → Before the system switches to Eco Power standby mode, a countdown of 10 seconds is displayed.

To cancel the sleep timer

Press SLEEP repeatedly until "OFF" appears or press the STANDBY ON
 (b) button.

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's manual for correct Video channel selection. Change the TV channel ur you see the DVD screen. Press DISC on the remote.
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 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 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 connect and press the correct source button on the remote (TV or AUX/DI, for example) to choose the equipment that you want to hear through the DVD system.
The DVD player does not start playback.	 Insert a readable disc with the playback side facing down. The DVD+R/CD-R must be finalised. Check the disc type, colour system (PAL or NTSC) and region code. Check for any scratches or smudges on the discense of the password in order to change the parental control rating level of the total control control to the discense of the discense of the system. Moisture has condensed inside the system. Remove the disc and leave the system turner.
	on for about an hour.

Troubleshooting

Problem	Solution
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 the DVD.
No 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.
There is no sound from the centre and surround speakers.	 Make sure the centre and surround 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.). The wireless transmitter and receiver must using the same transmission frequency.
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 farther away from any equipment that may be causing the noise.
The remote control does not function properly.	 Select the source (DISC or TUNER, for example) before pressing the function button (►II, I◄◄, ▶►I). 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.
Low hum or buzz sound.	 Place the DVD system as far away as possible from electrical devices that may be causing interference.
Unable to play DivX movies.	 Check that the DivX file is encoded in 'Home Theatre' 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.
V	,

Visit us at www.p4c.philips.com for service support

Specifications

AMPLIFIER SECTION		MAIN UNIT	
Output power	5000 W PMPO	Power Supply Rating	220 V; 50 Hz
- Front	50 W RMS / channel	Power Consumption	80 W
- Rear	50 W RMS / channel	Dimensions (w \times h \times d)	360 mm x 55 mm x 325 mm
- Centre	50 W RMS	Weight	3 kg
- Subwoofer	75 W RMS		
Frequency Response	20 Hz – 20 kHz / –3 dB	FRONT SPEAKERS	
Signal-to-Noise Ratio	> 65 dB (CCIR)	System	2-way, closed box system
Input Sensitivity		Impedance	4 Ω
- AUX In	900 mV	Speaker drivers	18mm cone dome tweeter,
- DIGITAL In	450 mV	Frequency response	120 Hz – 20 kHz
		Dimensions (w x h x d)	92 mm x 170 mm x 64 mm
TUNER SECTION	5M 07 5 400 MH (50 HH)	Weight	0.73 kg/each
Tuning Range	FM 87.5 – 108 MHz (50 kHz)		
	MW 531 – 1602 kHz (9 kHz)	REAR SPEAKERS	
26 dB Quieting Sensitivity	FM 20 dB	System	2-way, closed box system
	MW 4 μV/m	Impedance (LX3900SA)	4 Ω
Image Rejection Radio	FM 25 dB	Impedance (LX3950W)	8 Ω
IED	MW 28 dB	Speaker drivers	18mm cone dome tweeter,
IF Rejection Ratio	FM 60 dB	Frequency response	120 Hz – 20 kHz
0	MW 24 dB	Dimensions (w x h x d)	92 mm x 170 mm x 64 mm
Signal-to-Noise Ratio	FM 60 dB MW 40 dB	Weight	0.73 kg/each
AM C	FM 30 dB		
AM Suppression Ratio Harmonic Distortion	FM Mono 3%	CENTRE SPEAKER	
Harmonic Distortion	FM Stereo 3%	System	3-way, closed box system
	MW 5%	Impedance	4 Ω
Frequency Response	FM 180 Hz – 10 kHz / ±6 dB	Speaker drivers	18mm cone dome tweeter,
Stereo Separation	FM 26 dB (1 kHz)	Frequency response	120 Hz – 20 kHz
Stereo Threshold	FM 23.5 dB	Dimensions (w x h x d)	245 mm × 92 mm × 68 mm
Stereo Tili estiola	111 23.5 db	Weight	1.3 kg
DISC SECTION		PASSIVE SUBWOOF	ER
Laser Type	Semiconductor	System	Bass Reflex System
Disc Diametre	12cm / 8cm	Impedance	4 Ω
Video Decoding	MPEG-1 / MPEG-2 / MPEG-4	Speaker driver	6 1/2" woofer
	/ DivX 3.11, 4.x & 5.x	Frequency response	20 Hz – 120 Hz
Video DAC	12 Bits	Dimensions (w x h x d)	154 mm x 361 mm x 350 mm
Signal System	PAL / NTSC	Weight	4.2 kg
Video Format	4:3 / 16:9		
Video S/N	56 dB (minimum)	WIRELESS SYSTEM (ONLY FOR LX3950W)
Composite Video Output	1.0 Vp-p, 75 Ω	Power supply	220 – 240 V: 50 Hz/60Hz
S-Video Output	Y - 1.0 Vp-p, 75 Ω	Transmission frequency	863.3 MHz – 864.5 MHz
	C - 0.286 Vp-p, 75 Ω	Transmission channel	4
Audio DAC	24 Bits / 96 kHz	Dimension ($w \times h \times d$)	
Frequency Response	4 Hz – 20 kHz (44.1 kHz)	-Transmitter	131 mm x 34 mm x 130 mm
	4 Hz – 22 kHz (48 kHz)	- Receiver	207 mm x 55 mm x 186 mm
2014	4 Hz – 44 kHz (96 kHz)	Weight	1.12kg
PCM	IEC 60958	J	S
Dolby Digital DTS	IEC 60958, IEC 61937		
2.0	IEC 60958, IEC 61937		
SACD D/A converter	PCM		
SACD cut-off frequency	30 kHz	Specifications sub	iect to change without brior

Specifications subject to change without prior notice

Glossary

Analogue: Sound that has not been turned into numbers. Analogue 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.

<u>Component Video Out Jacks:</u> 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.).

<u>Disc menu</u>: 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, surround left and right, centre and subwoofer). **Dolby Pro Logic II:** It creates five full-bandwidth output channels from two-channel sources. Decode only systems that derive 5.1 channels instead of the conventional 4 channels of Dolby Pro Logic surround sound.

DTS: Digital Theatre 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).

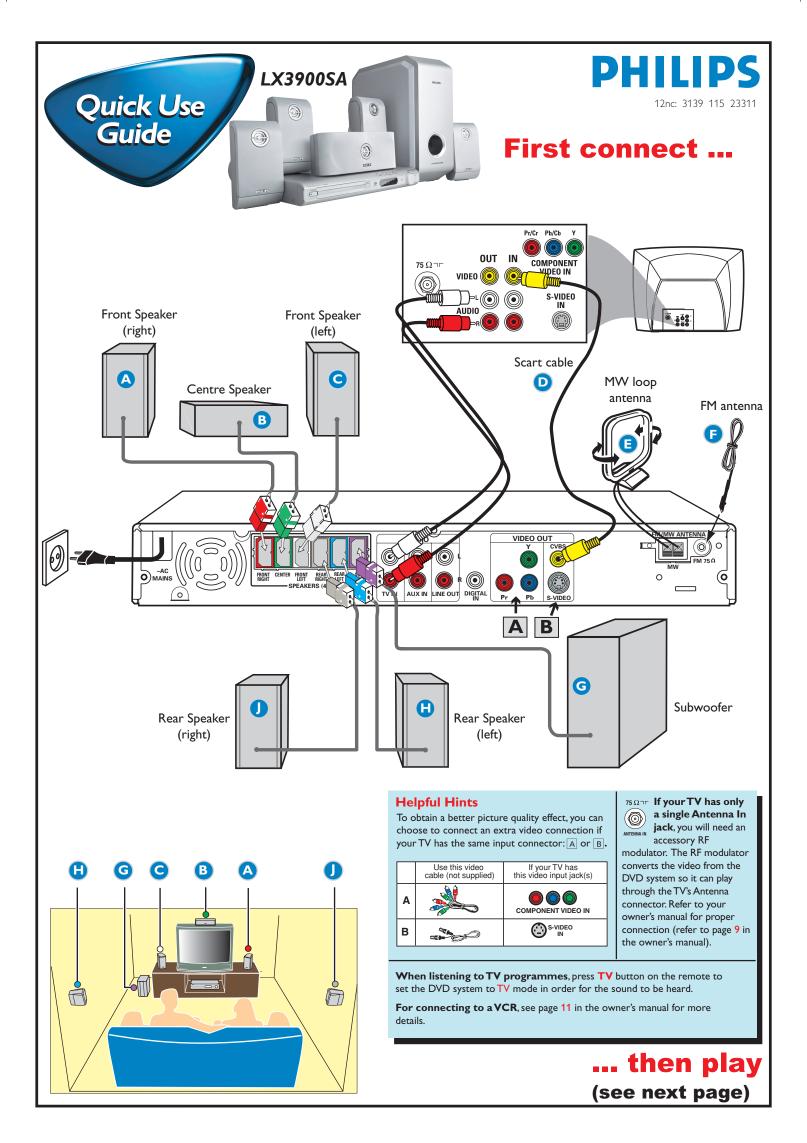
S-Video: Produces a clear picture by sending

separate signals for the luminance and the colour. You can use S-Video only if your TV has an S-Video In jack.

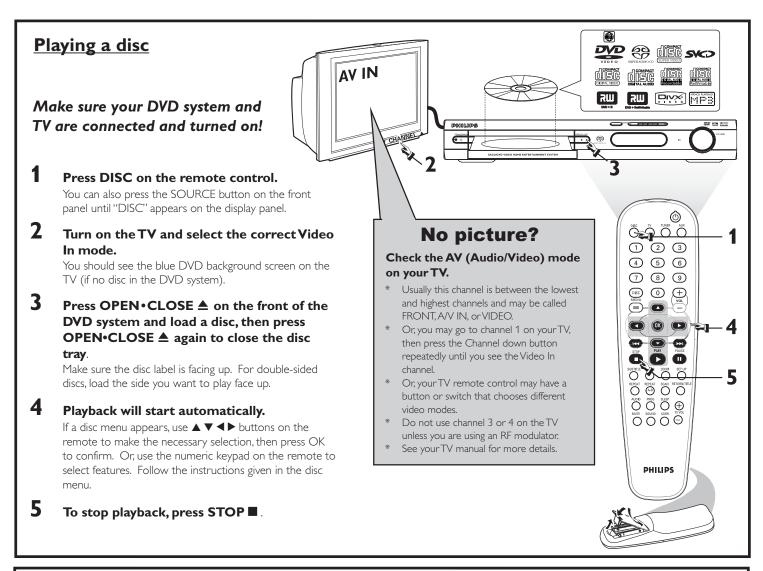
Super Audio CD (SACD): This audio format is based upon the current CD standards but includes a greater amount of information that provides higher quality sound. There are three types of discs: single layer, double layer and hybrid discs.

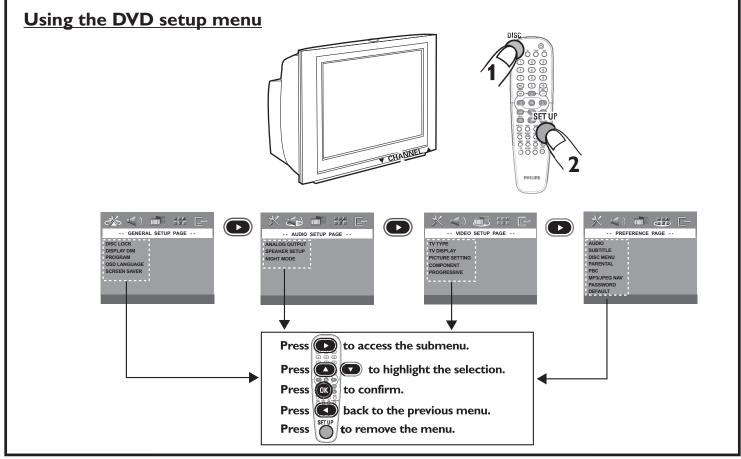
The hybrid disc contains both standard audio CD and Super Audio CD information.

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



LX3900-69 QUG-EngFinal 1 20/04/2004, 09:58 AM







Detailed playback features and additional functions are described in the accompanying owner's manual.

LX3900-69 QUG-EngFinal 2 20/04/2004, 09:58 AM