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Supplied accessories

Remote Control
and
two AAA batteries



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.

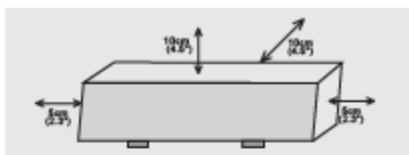
Setup

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 5 cm (2.3") from the left and right to prevent overheating.



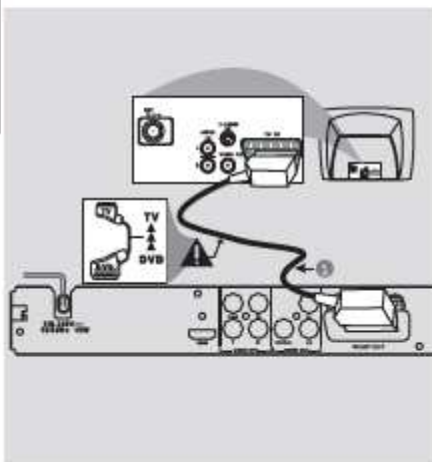
Avoid high temperatures, moisture, water and dust

- 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).

Connections

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Connecting TV

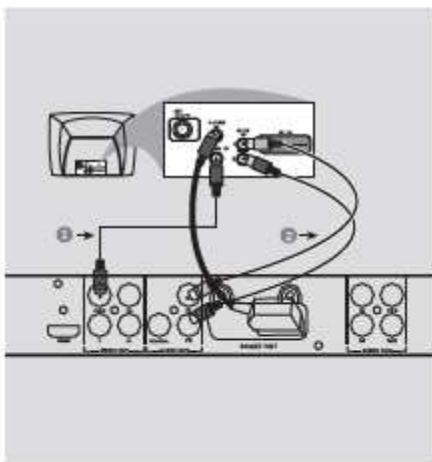


IMPORTANT!

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

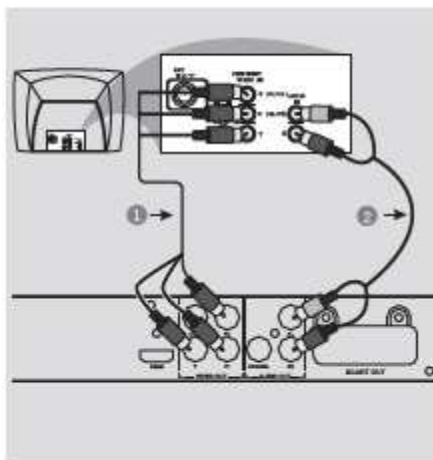
Using SCART Jack

- Use the SCART cable (black) to connect the DVD Player's SCART jack(TV OUT) to the corresponding Scart input jacks on the TV.



Using Composite Video Jacks (CVBS)

- 1 Use the composite video cable (yellow) to connect the DVD player's CVBS(VIDEO) jack to the video input jack(or the labled as A/V in , Video In, Composite or Baseband) on the TV.
- 2 To hear the sound of this DVD Player through your TV, use the audio cables (white/red) to connect AUDIO OUT (L/R) jacks of the DVD player to the corresponding AUDIO IN jacks on the TV.



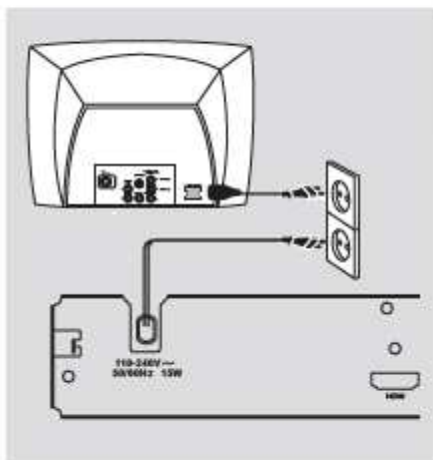
IMPORTANT!

– 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)

- 1 Use the component video cables (red/blue/green) to connect the DVD system's Y Pb Pr jacks to the Corresponding Component video input jacks (or labeled as Y Pb Pr) on the TV.
- 2 To hear sound of this DVD player through your TV, use the audio cables (white/red) to connect AUDIO OUT (L/R) jacks of the DVD player to the corresponding AUDIO IN jacks on the TV.

Connecting the power cord



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

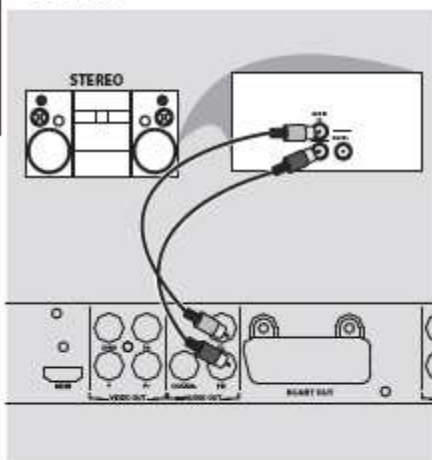
Never make or change any connections with the power switched on.

When no disc is loaded, press **POWER** on the DVD player front panel. "NO DISC" may appear on the display panel.



Connections

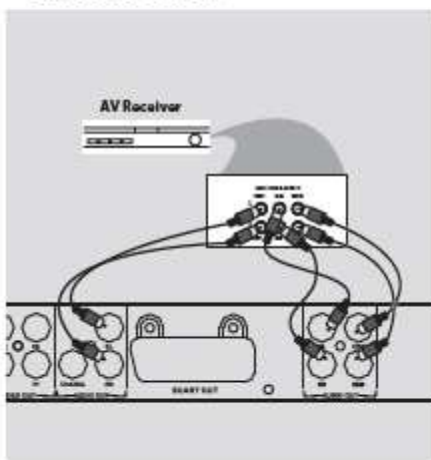
Optional: Connecting to an Stereo System



Stereo system has Dolby Pro Logic or Right/Left Audio In Jack

- 1 Select one of the video connections (CVBS VIDEO IN, SCART or COMPONENT VIDEO IN) depending on the options available on your TV.
- 2 Use the audio cables (white/red) to connect **AUDIO OUT (L/R)** jacks of the DVD Player to the corresponding **AUDIO IN** jacks on the stereo system.

Optional: Connecting to a Multi-channel Receiver



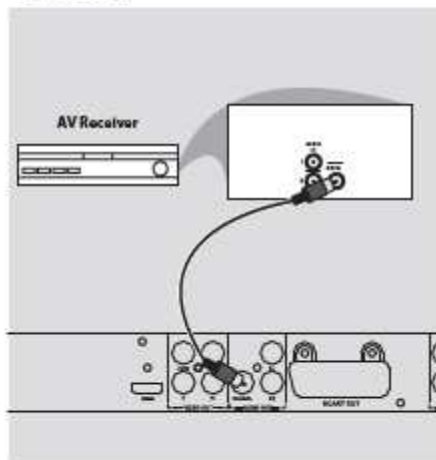
Receiver has multichannel analog input

- 1 Select one of the video connections (CVBS VIDEO IN, SCART or COMPONENT VIDEO IN) depending on the options available on your TV.
- 2 Connect the Audio Out Left and Right jack for Front and Rear speakers to the corresponding input sockets on your Receiver.
- 3 Connect the Audio Out for Center speaker, surround left, surround right and Subwoofer to the corresponding inputs on your Receiver (cable not supplied).
- 4 Set the DVD Player's Analog Output to 'Multichannel' to enable playback of DVDs recorded in Multi-channel.

Helpful Hint:

- If the subwoofer is equipped with its own amplifier, the Subwoofer connection should be connected directly to the subwoofer.

Optional: Connecting Digital AV Receiver



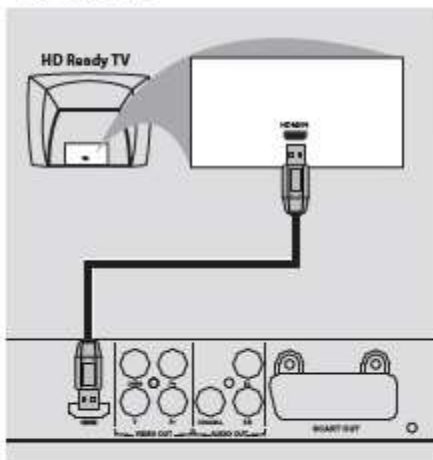
Receiver has a PCM, Dolby Digital, or MPEG2 decoder

- 1 Select one of the video connections (CVBS VIDEO IN, SCART or COMPONENT VIDEO IN) depending on the options available on your TV.
- 2 Connect the COAXIAL jack of the DVD player to the corresponding Digital Audio In jack on your Receiver (*cable not supplied*).
- 3 Set the DVD Player's Digital Output to PCM-Only or ALL depending on the capabilities of your Receiver.

Helpful hint:

– If the audio format of the Digital Output does not match the capabilities of your receiver, the receiver will produce a strong, distorted sound or no sound at all.

Optional: Connecting to a TV with HDMI Jack



Using HDMI (High Definition Multimedia Interface) sockets

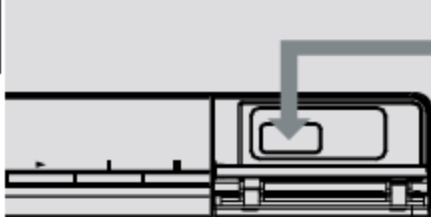
- HDMI transfers an uncompressed digital signal for the clearest sound/image quality.
- It has plug and play capability using only one cable for both audio/video output.
- Use a HDMI cable(not supplied) to connect the HDMI OUT on the DVD Player to HDMI IN on an HDMI compatible device (e.g.: PC, DVD Player, Set Top Box).
 - It may take a while for the DVD player and input device to communicate and initialise.
 - Playback starts automatically.

Helpful hint:

– If you are using the HDMI as audio source make sure that "Digital Output" is set to "PCM Only".

Connections

Optional: Connecting a supported USB devices



USB extension cable
(optional accessory - not supplied)

Using USB port

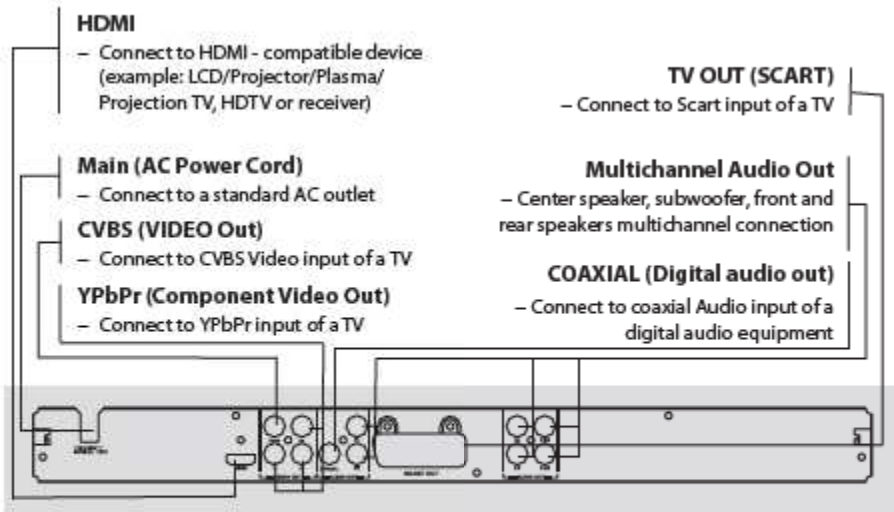
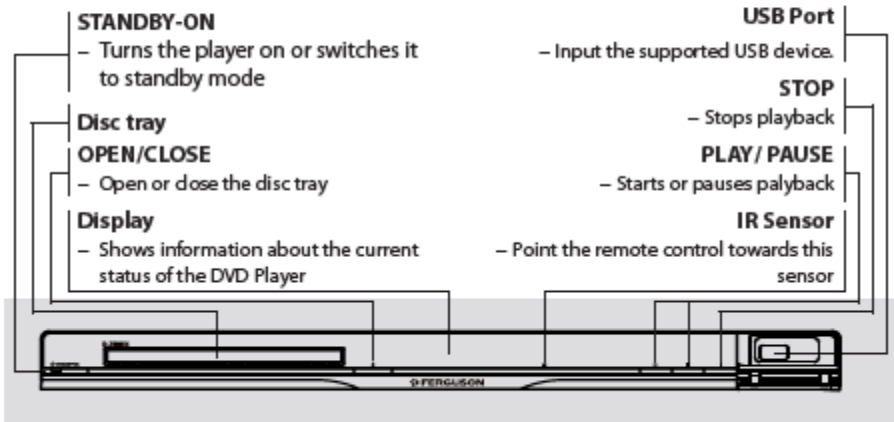
You can only view the content of following supported USB devices through this DVD system.

- 1 Connect the supported USB device directly to the USB port on the front panel (as shown on the above illustration).
- 2 Press USB button on the remote control in order to view the files stored in the supported USB device.
- 3 You have to stop playback before removing the supported USB device from the USB port.

Helpful hints:

- The USB port only supports to the USB 1.1 and the playback of the JPEG/music files
- The USB port is hot swappable and able to read from the following devices: **{Thumb drive or flash drive, Card readers for different kinds of cards, Portable hard disk players}**.
- If a non-supported USB device is plugged in, the player will display "Device not supported".
- If the USB device does not fit into the USB port, a USB extension cable is required.

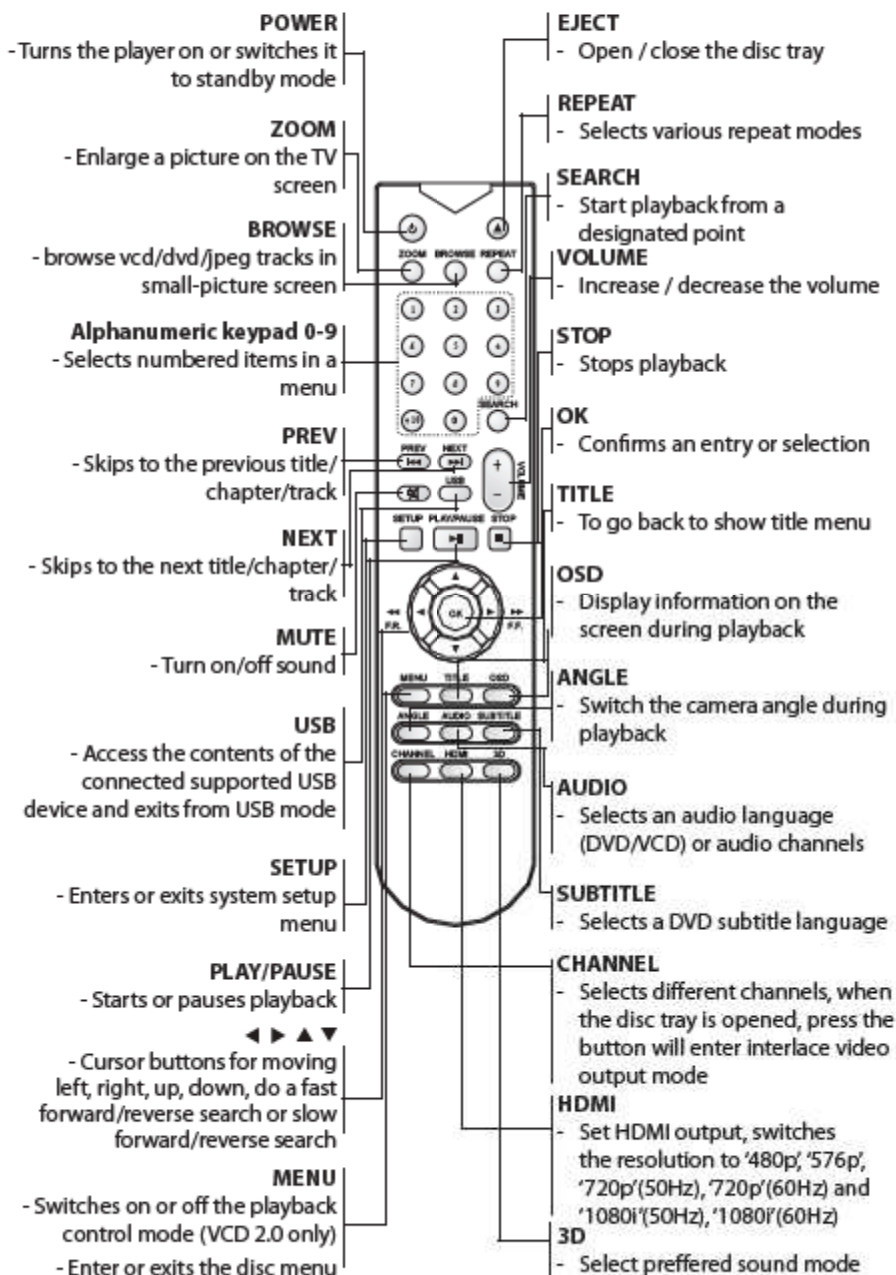
Front and Rear panels



Functional Overview

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Remote Control



Step 1: Inserting batteries into the Remote Control

- 1 Open the battery compartment.
- 2 Insert two batteries type R03 or AAA, following the indications(+ -) inside the compartment.
- 3 Close the cover.

Using the Remote Control to operate the Player

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



CAUTION!

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

Step 2: Setting up the TV

IMPORTANT!

Make sure you have completed all the necessary connections.

- 1 Turn on the TV and set to the correct video-in channel. You should see the DVD background screen on the TV.
 - Usually these channels are between the lowest and highest channels and may be called FRONT, A/V IN or VIDEO. See your TV manual for more details.
 - Or, you may go to channel 1 on your TV, then press the Channel down button repeatedly until you see the Video In channel.
 - Or, the TV Remote Control may have a button or switch that chooses different video modes.
- 2 If you are using external equipment, (eg. audio system or receiver), turn it on and select the appropriate input source for the DVD player output. Refer to the equipment owner's manual for detail.

Getting Started

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

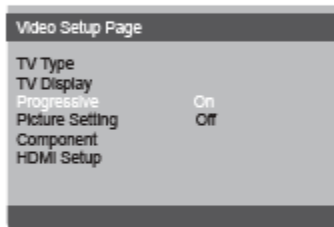
The progressive scan display twice the number of frames per seconds than interlaced scanning (ordinary normal TV system). With nearly double the number of lines, progressive scan offers higher picture resolution and quality.

IMPORTANT!

Before enabling the progressive scan feature, you must ensure:

- 1) Your TV can accept progressive signals, a progressive scan TV is required.
- 2) You have connected the DVD player to your TV using Y Pb Pr.

- 1 Turn on your TV.
- 2 Turn off your TV progressive scan mode or turn on interlaced mode (refer to your TV user manual.)
- 3 Press **POWER** on the remote control to turn on the DVD player.
- 4 Select the correct Video Input channel.
→ The DVD background screen appears on the TV.
- 5 Press **SETUP**.
- 6 Press **▶** to select {VIDEO SETUP PAGE}



- 7 Select {COMPONENT} to {YUV}, then press **OK** to confirm.
- 8 Select {PROGRESSIVE} to {ON}, then press **OK** to confirm.

To deactivate Progressive manually:

- 1 Press **OPEN/CLOSE** Δ on the DVD player or Remote Control to open the disc tray.
- 2 Press **CHANNEL** button on the remote control.
→ The DVD background screen appears 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 player and your TV set.

Selecting the colour system that corresponds to your TV

This DVD Player is compatible with both NTSC and PAL. In order for a DVD disc to play on this player, the colour system of the Disc, the TV and the DVD player should match.



- 1 Press **SETUP**.
- 2 Press **▶** to select {VIDEO SETUP PAGE}
- 3 Press \blacktriangle \blacktriangledown to highlight {TVTYPE}, then press **▶**.
- 4 Press \blacktriangle \blacktriangledown to highlight one of the options below:

PAL - 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 is NTSC colour system. It will change the video signal of a PAL disc and output in 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.

Step 3: Setting language preference

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

Setting the OSD language

The On-screen language for the system menu will remain as you set it, regardless of various disc languages



- 1 Press **SETUP**.
- 2 Press **▶** to select {GENERAL SETUP PAGE}.
- 3 Press **▲ ▼** to highlight {OSD Language}, then press **▶**.
- 4 Press **▲ ▼** to select a language and press **OK**.

Setting the Audio, Subtitle and Disc menu language

You can choose your own preferred language or soundtrack from audio, subtitles and DVD menu languages. If the language selected is not available on the disc, the disc's default language will be used instead.



- 1 Press **STOP** twice, then press **SETUP**.
- 2 Press **▶** to select {PREFERENCE PAGE}.
- 3 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**.
- 5 Repeat steps 3~4 for other language settings.

Disc operation

IMPORTANT!

– If the inhibit icon (ø) appears on the TV screen when a button is pressed, it means the function is not available on the current disc or at the current time.

Playable Discs

Your DVD Player will play:

- Digital Video Discs (DVDs)
- Video CDs (VCDs)
- Super Video CDs (SVCDs)
- Digital Video Discs + Recordable[Rewritable] (DVD+R[W])
- Compact Discs (CDs)
- Picture (Kodak, JPEG) files on CD-R(W).
 - JPEG/ISO 9660 format
- DivX disc on CD-R[W]/DVD+R[W]:
 - DivX 3.11, 4.x, 5.x and 6.x
 - Q-pel accurate motion compensation
 - Global Motion Compensation (GMC) playback
- DivX Ultra on CD-R[W]/DVD±R[W]:

Playing discs

- ① Connect the power cords of the DVD player and TV (and any option stereo or AV receiver) to a power outlet.
- ② Turn on the TV power and set to the correct Video in channel.
- ③ Press **STANDBY-ON** to turn on the DVD player.
 - The DVD background screen appears on the TV.
- ④ Press **OPEN/CLOSE** on the front of the DVD player or **OPEN/CLOSE** Δ button on the remote control.
- ⑤ Place a disc into the disc tray with the label facing up, then press **OPEN/CLOSE**.
 - For double-sided discs, load the side you want to play facing up.

- ⑥ Playback will start automatically. If not press **PLAY/PAUSE**.
 - If a disc menu appears on the TV see "Using the Disc Menu".
 - If the disc is locked by parental control, you must enter your six-digit password.

Basic playback controls

Unless otherwise stated, all operations described are based on Remote Control use.

Pausing playback

- ① During playback, press **PLAY/PAUSE** to pause playback and display a still picture.
 - Sound will be muted.
- ② To resume normal playback, press **PLAY/PAUSE** again.

Selecting track/chapter

Press **PREV / NEXT** to go to the previous or next track/chapter

Stopping playback

Press **STOP** ■

Selecting various repeat/shuffle functions

Repeat play mode

The repeat play options vary depending on the disc type.

- ① While playing a disc, press **REPEAT** continuously to choose a repeat options.

For DVD

- Chapter (currently playing track)
- Title (currently playing title)
- All (entire disc)
- Shuffle (all files in current folder at random playback)
- Off (Cancel)

For Video CD, Audio CD

- Track (currently playing track)
- Shuffle(all files in current folder at random playback)
- All (entire disc)
- Off (Cancel)

For Music Files

- Repeat One (currently playing file)
- Repeat Folder (all files in selected folder)
- Folder (playing all files in one folder once)
- Shuffle (all files in current folder at random playback)
- Single (currently playing file once)

For JPEG, DivX

- In STOP mode,
- Repeat One (currently playing file)
 - Repeat Folder(all files in selected folder)
 - Folder(playing all files in one folder once)
 - Shuffle(all files in current folder at random playback)
 - Single (currently playing file once)
- In PLAY mode,
- Repeat One (currently playing file)
 - Repeat All (playing all files in one disc)
 - Repeat Off (cancel)
 - Shuffle (all files in current folder at random playback)
 - Single(Currently playing file once)

- ② To cancel repeat playback, press **STOP** ■.

Helpful hint:

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

Disc operation

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 **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

- ① During playback, press **ZOOM** repeatedly to display the picture with different scales.
 - Use ◀▶▲▼ keys to pan through the enlarged picture.
 - Playback will continue.
- ② Press **ZOOM** repeatedly to return to the original size.

Slow Motion

- ① Press ◀▶ during playback to select the required speed: 1/2, 1/4, 1/8 or 1/16 (forward {DVD/SVCD/VCD} or backward {DVD}).
 - Sound will be muted.
- ② To return to normal speed, press **PLAY/PAUSE**.

Forward/Reverse Searching

- ① Press ◀▶ during playback to select the required speed: 2X, 4X, 8X, 16X, 32X (backward or forward)
 - Sound will be muted(DVD/VCD) or intermittent (CD).
- ② To return to normal speed, press **PLAY/PAUSE** or **OK**.

**OSD (On -Screen Display) (DVD/
VCD/SVCD/DivX)****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 **SEARCH**
→ A list of available disc information appears on the TV screen.

Title/Chapter/Track selection

- ① Press ▲▼ to highlight {Title} / {Chapter} or {Track}, then press ► to access.
- ② Use the **numeric keypad (0-9)** to enter a valid number (e.g. 04/05).
- ③ Press **OK** to confirm.
→ The playback skips to the selected title/ chapter/track.

Audio/Subtitle

- ① Press ▲▼ to highlight {Audio} or {Subtitle}, then press ► to access.
→ Audio or Subtitle menu appears on the TV.
- ② Press ▲▼ to select one language, then press **OK** to confirm.
→ Current audio or subtitle language will be changed to the selected language.

Angle Function

- ① Press ▲▼ to highlight {Angle}, then press ► to access.
- ② Use the **numeric keypad (0-9)** to key in a valid number.
- ③ Press **OK** to confirm.
→ Playback will go to the selected angle.

Preview Function

The browse function allows you to reduce the picture of 6 tracks enough to display in a full screen.

- ① Press ▲▼ to highlight {Preview} , then press ► to access.
→ The preview menu appears on the TV screen.
- ② Press ▲▼ to select the PREVIEW type, then press **OK**.
→ The picture of each segment will appear on the screen.
- ③ Press ▲▼ ◀▶ to select a track or input your selected track number using the **numeric keypad (0-9)**, then press **OK**.
→ Playback will start automatically on the selected track.

Disc operation

Special DVD Features

Playing a Title

- 1 Press **MENU**.
→ 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** key to confirm

Changing the Audio Language

For DVD

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

For VCD

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

Subtitles

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

Special VCD&SVCD Features

Playback Control (PBC)

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

- Press **MENU** to toggle between 'PBC ON' and 'PBC OFF'.
→ If you select 'PBC ON', the disc menu (if available) will appear on the TV.
→ If you select 'PBC OFF', use the **PREV/ NEXT** or the **numeric keypad (0-9)** to select a play option.
 - During playback, pressing **TITLE** will return to the menu screen (if PBC is on)
- If you want to skip the index menu and playback directly from the beginning**
- Press **MENU** key on the remote control to switch to PBC off

Playing a DivX disc

This DVD player supports the DivX movie playback that you download from your computer onto a CD-R/RW or DVD±RW

- ① Load a DivX disc.
→ Playback will start automatically. If not press **PLAY**.
- ② Pressing **SUBTITLE** on the remote control will turn on or off the subtitles.
- If multilingual subtitles are embedded on the DivX disc, pressing **SUBTITLE** will change the subtitle language during playback.

Helpful Hints:

– Subtitle files with the following filename extensions (.srt, .smi, .sub, .ssa, .txt) are supported but do not appear on the file navigation menu.

Advance features of the DivX Ultra

- **XSUB™** subtitles let you author movies with multiple language subtitle sets.
- **Interactive video menus** offer unprecedented convenience and control so you can quickly navigate between various scenes or bonus features, and select from audio track and subtitle options.
- **Alternate audio tracks** enable audio tracks in multiple language versions or separate audio tracks for specific speaker configurations.
- **Chapter points** provide flexibility, allowing you to jump straight to the scene you want to watch from anywhere within the video.

Playing pictures or audio files from the supported USB device

This DVD system able to access and view the data in the supported USB device.

- ① If a disc is playing, inserting a supported USB device into the USB port on the front panel.
→ A dialog will be displayed on the left bottom corner.
→ When playing an ISO disc, the dialog will not be displayed.
- ② Press **USB** on the remote control to access the data in the drive.
→ A file menu that contains all supported files will be displayed on the TV screen.
- Use **▲▼** to navigate within the menu and select the device you want to access, then press **OK**.
- Press **USB** on the remote control to exit the file menu, and return to DVD mode.
- Press **USB** to enter DVD mode, before removing the supported USB device from the slot.

Helpful Hints:

- A total of 300 folders and maximum of 648 titles can be supported.

Compatibility of USB device

- The USB port does not support the connection of other USB device except the supported USB device.
- The USB port can supports the playback of JPEG/music files/AVI files.
- It is not possible to record from the data from USB ports to this DVD system.
- Copy protected contents are not playable.

Helpful Hints:

- Supported USB device include: {Thumb drive or flash drive, Card readers for different kinds of cards, Portable hard disk players}.

Disc operation

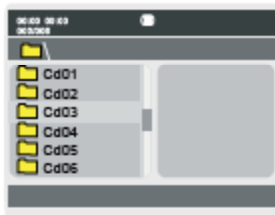
Playing JPEG/Kodak Picture CD

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

- For USB device, only music files and JPEG data can be access.

General Operation

- 1 Load a disc or USB device.
 - The disc reading time may exceed 30 seconds due to the complexity of the directory/file configuration.
 - The data 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/files.
- 4 Press PREV/NEXT to go to previous/next page.
- 5 Press OK to confirm.

Playback selection

- During playback, you can;
- Press **PREV/NEXT** to select the previous/next track/file in the current folder.
 - Press ▲▼◀▶ on the remote to rotate /flip the picture files.
 - Press **PLAY/PAUSE** repeatedly to pause/ resume playback.

Zoom picture (JPEG)

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

Rotating Pictures

- During playback, press ▲▼◀▶ to rotate the picture on the TV screen.
 - ▲: flip the picture vertically by 180°
 - ▼: flip the picture horizontally by 180°
 - ◀: flip the picture anti-clockwise by 90°
 - ▶: flip the picture clockwise by 90°

Helpful Hints:

- It may not be possible to play certain JPEG disc due to the configuration and characteristics of the disc or condition of the recording.
- For multi-session discs with different formats, only the first session will be available.

Preview Function (JPEG)

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

- 1 Press **BROWSE** during playback.
→ 12 thumbnail pictures will appear on the TV screen.
- 2 Press **PREV/NEXT** to display the other pictures on the previous/next page.
- 3 Press **▲▼◀▶** on highlight one of the picture and press **OK** to start playback.
- 4 Press **MENU** to return to Picture CD menu.

Playing music files and JPEG picture simultaneously

- 1 Load a disc that contains music and picture.
→ Load a disc that contains music and picture.
- 2 Select an music track.
- 3 During music playback, select a picture from the TV screen and press **OK**.
→ The picture files will be played back one after another until end of the folder.
- 4 To quit simultaneous playback, press **STOP**.

Helpful Hint:

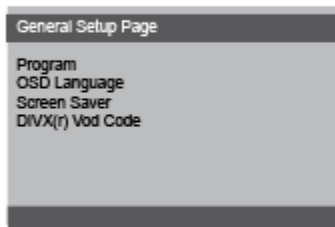
– Some files on Kodak or JPEG disc may be distorted during playback due to the configuration and characteristics of the disc.

DVD Setup Menu Options

This DVD Player setup is carried out via the TV, enabling you to customise the DVD player to suit your particular requirement.

General Setup menu

- 1 In disc mode, press **SETUP**.
- 2 Press **◀▶** to select 'General Setup Page' icon.



Programming disc tracks (not for Picture CD/DivX)

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.

- 1 In 'GENERAL SETUP PAGE', press **▲▼** to highlight {PROGRAM}, then press **▶** to select {INPUT MENU}.
- 2 Press **OK** to confirm.

To input your favourite tracks/chapter.

- 2 Use the **numeric keypad(0-9)** to enter a valid track/chapter number.
- 4 Use **▲▼◀▶** keys to move the cursor to the next position.
 - If the track number is more than ten, press **NEXT** to open the next page and proceed with programming or,
 - Use **▲▼◀▶** keys to highlight {NEXT} on the programme menu, then press **OK**.
- 5 Repeat steps 2~4 to input another track/chapter number.

If you want to remove a track

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

To start programme playback

- 9 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

- 9 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.

Screen Saver

- 1 In 'GENERAL SETUP PAGE', press **▲▼** to highlight {SCREEN SAVER}, then press **▶**.
 - ON** - Turn on the screen saver.
 - OFF** - Turn off the screen saver.
- 2 Press **▲▼** to select a setting, then press **OK** to confirm your selection.

DivX® VOD registration code

DivX® VOD (Video On Demand) registration code allows you to rent and purchase movies using the DivX® VOD service from the internet.

For more information, visit website;
www.divx.com/vod

- 1 In 'General Setup Page', use ▲ ▼ keys to highlight { DivX(R) VOD Code }, then press ▶.

→ The registration code will appear.

- 2 Press OK to exit.

- 3 Use the registration code to rent or purchase the movies from DivX® VOD service at www.divx.com/vod.

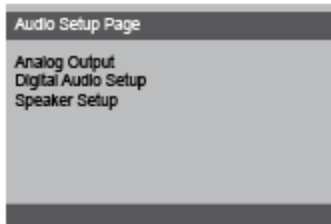
→ Follow the instructions and download the movie from your computer onto a CD-R/RW, DVD±R/RW for playback on this DVD player.

Helpful Hints:

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

Audio Setup menu

- 1 In disc mode, press **SETUP**.
- 2 Press ◀ ▶ to select 'Audio Setup Page' icon.



Analog Output

This options allows you to set the stereo analog output of your DVD Player.

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

{ Stereo }

Select this when output delivers sound from only the two front speakers.

{ LT/RT }

Select this option if your DVD player is connected to a Dolby Pro Logic decoder.

{ V Surr }

Select this option if your DVD player is connected to a subwoofer that allows you to use virtual sound effects.

{ Multi-channel }

Select this option to enable multi-channel output.

- 2 Use ▲ ▼ keys to select a setting and press OK to confirm.

DVD Setup Menu Options

Digital Audio Setup

The options included in Digital Audio Setup are: { Digital Output } and { LPCM Output }.

- 1 In 'Audio Setup Page', use ▲ ▼ keys to highlight { Digital Audio Setup }, then press ►.
- 2 Use ▲ ▼ keys to select an option.
- 3 Press ► to enter into the submenu.
- 4 Press ▲ ▼ keys to select a setting.

● { Digital Output }

Select this if you connect to a multichannel decoder/receiver.

– { All }

Select this if the connected device has a built-in multichannel decoder that supports one of the multichannel audio format (Dolby Digital, MPEG-2).

– { PCM Only }

Select this if the connected device is not capable of decoding multichannel audio. The DVD player will convert the Dolby Digital and MPEG-2 multichannel signals to PCM (Pulse Code Modulation).

– { Off }

To deactivate the digital audio output. For example, if you use the AUDIO OUT sockets to connect to a TV or stereo system.

Helpful Hint:

– If { Digital Output } is set to { All }, all audio settings except MUTE are invalid.

● { LPCM Output }

Select this if you connect to a PCM compatible receiver. Discs are recorded at a certain sampling rate with the higher sampling rate, the better sound quality.

– { 48K }

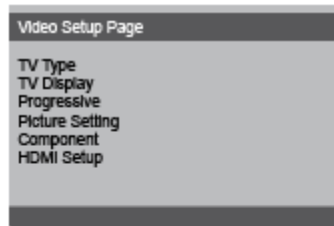
Select this if the playback disc is recorded at a sampling rate of 48kHz.

– { 96K }

Select this if the playback disc is recorded at a sampling rate of 96kHz that can only be achieved in Stereo-Classic (Flat) mode.

Video Setup Menu

- 1 In disc mode, Press **SETUP**.
- 2 Press ◀▶ to select 'Video Setup Page' icon.



TV Type

This menu contains the options for selecting the colour system that matches the connected TV.

Setting the TV Display

The picture shape can be adjusted to fit your TV and the format must be available on the playback disc. Otherwise, the TV display will not affect the picture during playback.

- 1 In 'Video Setup Page', use ▲ ▼ keys to highlight { TV Display }, then press ►.
- 2 Use ▲ ▼ keys to select a setting:
 - { 4:3 Panscan }
 - Select this for a full-height picture with the sides trimmed.
 - { 4:3 Letterbox }
 - Select this for a 'wide-screen' display with black bars on the top and bottom.
 - { 16:9 }
 - Select this for wide-screen TV (frame ratio 16:9).
- 3 Press **OK** to confirm.

Progressive – turning on/off

Before enabling the progressive scan feature, you must ensure that you have connected the DVD player's YPbPr sockets to your TV that supports the progressive scan video input.

- 1 In 'Video Setup Page', use ▲ ▼ keys to highlight { Progressive }, then press ►.

{ Off }

Select this to disable the progressive scan function.

{ On }

Select this to turns on the progressive scan function.

- 2 Use ▲ ▼ keys to select a setting and press OK to confirm.

Switching the YUV/RGB

This setting allows you to toggle the output of the video signal between RGB (on scart) and Component(YUV).

- 1 In 'Video Setup Page', use ▲ ▼ keys to highlight {COMPONENT}, then press ►.

YUV

Select this for Y Pb Pr connection

RGB

Select this for Scart connection

- 2 use ▲ ▼ keys to press OK to confirm your selection.

Warning:

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

HDMI Setup

The options included in HDMI Setup is : 'Resolution'.

- 1 In {VIDEO SETUP PAGE}, press ▲▼ to highlight{HDMI Setup}, then press ►.
- 2 Press ▲▼ to highlight an option.
- 3 Enter its submenu by pressing ► .
- 4 Press ▲▼to select a setting, then press OK to confirm your selection.

Resolution

You can select the resolution of the picture according to your preference and the connected HDMI TV.

480p: Progressive output in 480 lines for NTSC TV.

576p: Progressive output in 576 lines for PAL TV.

720p: Progressive output upscale to 720 lines.

1080i: Interlaced output upscale to 1080 lines.

Auto: Output automatically based on your display's supported resolution.

Helpful Hint:

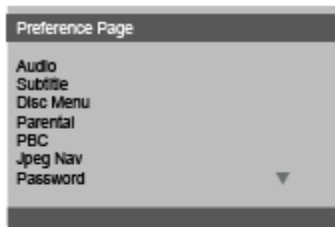
- If not display appears on the TV screen due to unsupported resolution, reconnect any available interlace video output to your display and re-adjust the resolution settings to 480p/576p.

- Select AUTO to automatically display the best resolutions settings.

DVD Setup Menu Options

Preference Page

- 1 Press **STOP** button twice to stop playback (if any), then press **SETUP**.
- 2 Press **◀▶** to select 'Preference Page' icon.



Audio, Subtitle, Disc Menu

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

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.

- 1 In 'PREFERENCE PAGE', press **▲▼** to highlight {PARENTAL}, then press **▶**.
- 2 Press **▲▼** to highlight a rating level for the disc inserted and press **OK**
→ To disable Rating level and have all Discs play, select {8. AudIt}
- 3 Use the **numeric keypad (0-9)** to enter the six-digit password

→ DVDs that are rated above the level you selected will not play unless you enter your six-digit password.

Helpful Hints:

- VCD, SVCD, CD have no level indication, so parental control function has no effect on these type of discs. This applies to most illegal DVD discs.
- Some DVDs are not encoded with a rating though the movie rating may be printed on the Disc cover, The rating level feature does not work for such Discs.

Rating explanations

1 KID SAFE

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

2 G

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

3 PG

- Parental Guidance suggested.

4 PG 13

- Material is unsuitable for children under age 13.

5 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 to graphic sexual material, violence or language.

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.

→ The new six-digit password will now take effect.

- Press **OK** to confirm.

JPEG Menu - turning on/off

- In 'PREFERENCE PAGE', press **▲▼** to highlight {JPEG NAV}, then press **▶**.

WITHOUT MENU

Select this to display all the files contained on the disc.

WITH MENU

Select this to display the folder menu of the disc.

- Press **▲▼** to select a setting, then press **OK** to confirm your selection.

Changing the Password

The same password is used for both Rating setting and Disk Lock, Enter your six-digit password when prompted on the screen, default password is 136900.

- In 'PREFERENCE PAGE', press **▲▼** to highlight {PASSWORD}, then press **▶** to select {CHANGE}.
- Press **OK** and the menu appears.
- 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'.
- Enter the new six-digit password.
- Enter the new six-digit password a second time to confirm.

Setting the DivX subtitle font

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

- In 'Preference Page', use **▲▼** keys to highlight { DivX Subtitle }, then press **▶**.

{ Standard }

Albanian, Danish, Dutch, English, Finnish, French, Gaelic, German, Italian, Kurdish (Latin), Norwegian, Portuguese, Spanish, Swedish and Turkish.

{ Cyrillic }

Bulgarian, Belorussian, English, Macedonian, Moldavian, Russian, Serbian and Ukrainian.

{ Central European }

Albanian, Croat, Czech, Dutch, English, German, Hungarian, Irish, Polish, Romanian, Slovak, Slovene and Sorbian.

- Use **▲▼** keys to select a setting and 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 and Disc Lock.

- In 'Preference Page', use **▲▼** keys to highlight { Default }, then press **▶** to select { Reset }.
- Press **OK** to confirm.
 - All settings will now reset to factory defaults.

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 for help.

Problem	Solution
No power	<ul style="list-style-type: none"> – 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	<ul style="list-style-type: none"> – Refer to your TV's manual for correct Video In channel selection. Change the TV channel until you see the DVD screen. – Check if the TV is switched on.
Distorted picture	<ul style="list-style-type: none"> – Sometimes a small amount of picture distortion may appear depending on the disc being played back. This is not a malfunction.
Completely distorted picture or black/white picture with DVD	<ul style="list-style-type: none"> – Connect DVD Player directly to the TV. black/white picture with DVD – Make sure the disc is compatible with the DVD/Player. – Ensure that the DVD Player's TV Type is set to match that of the Disc and your TV.
No sound or distorted sound	<ul style="list-style-type: none"> – Adjust the volume. – Check that the speakers are connected correctly.
No audio at digital output	<ul style="list-style-type: none"> – Check the digital connections. – Check if your receiver can decode MPEG-2 and if not, please make sure the digital output is set to PCM. – Check if the audio format of the selected audio language matches your receiver capabilities.
No sound and picture	<ul style="list-style-type: none"> – Check that the RGB/SCART cable is connected to the correct device (See Connecting TV).
Disc can't be played	<ul style="list-style-type: none"> – The DVD+R/CD-R must be finalised. – Ensure the disc label is facing up. – Check if the disc is defective by trying another disc. – Region code incorrect.
Picture freezes momentarily during playback	<ul style="list-style-type: none"> – Check the disc for fingerprints/scratches and dean with a soft cloth wiping from centre to edge.
No return to start-up screen when disc is removed	<ul style="list-style-type: none"> – Reset the unit by switching the player off, then on again.
The player does not respond to the Remote Control	<ul style="list-style-type: none"> – Aim the Remote Control directly at the sensor on the front of the player. – Reduce the distance to the player. – Replace the batteries in the Remote Control. – Re-insert the batteries with their polarities (+/- signs) as indicated.
Buttons do not work	<ul style="list-style-type: none"> – To completely reset the player, unplug the AC cord from the AC outlet for 5-10 seconds.

Player does not respond to some operating commands during playback.	<ul style="list-style-type: none"> Operations may not be permitted by the disc. Refer to the instructions of the disc jacket.
DVD Player cannot read CDs/DVDs	<ul style="list-style-type: none"> Use a commonly available cleaning CD/DVD to clean the lens before sending the DVD Player for repair.
Menu items cannot be selected	<ul style="list-style-type: none"> Press STOP twice before selecting System Menu. Depending on the disc availability, some menu items cannot be selected.
Unable to select Progressive Scan on/off.	<ul style="list-style-type: none"> Check that the output of the video signal is switch to 'YUV'.
No sound during DivX movies playback	<ul style="list-style-type: none"> The audio codec may not be supported by the DVD player.
An DivX movies does not repeat	<ul style="list-style-type: none"> Check that file size of the movies does not exceed the file size of the CD disc during burning.
The contents of the USB flash drive cannot be read	<ul style="list-style-type: none"> The USB flash drive format is not compatible with the player. Drive is formatted with a different file system. (eg. NTFS)
Slow operations of the USB flash drive	<ul style="list-style-type: none"> Big file size or high resolution USB flash drive takes longer time to read and display on the TV screen.
No sound is output from the HDMI out	<ul style="list-style-type: none"> Check the connection between the TV and the HDMI jack of DVD player. See if the TV supports this 480p/576p/720p/1080i DVD player. Check your TV system setup correctly.

Specifications

ENGLISH

TV STANDARD (PAL/50Hz) (NTSC/60Hz)

Number of lines	625	525
Playback	Multistandard	(PAL/NTSC)

VIDEO PERFORMANCE

Video DAC	12bit 108MHz
YPbPr	0.7 Vpp -75Ohm
Video output	1Vpp -75Ohm
RGB (SCART)	0.7Vpp-75Ohm

VIDEO FORMAT

Digital Compression	MPEG 2 for DVD, SVCD MPEG 1 for VCD MPEG-4 DivX (3.11, 4.x, 5.x, 6) XviD
DVD	50Hz(PAL) 60Hz(NTSC)
Horiz.resolution	720 pixels 720 pixels
Vertical resolution	576 lines 480 lines
VCD	50Hz 60Hz
Horiz.resolution	352 pixels 352 pixels
Vertical resolution	288 lines 240 lines

AUDIO FORMAT

Digital	MPEG/AC-3/ PCM	compressed Digital 16,20,24 bits fs, 44.1,48, 96kHz kbps & variable bit rate fs 32,44.1, 48 kHz
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Analog Sound Stereo

Dolby Surround compatible downmix from Dolby

Digital multi-channel sound

AUDIO PERFORMANCE

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

CONNECTIONS

Scart Output	Euroconnector
YPbPr Output	Cinch 3x
Video Output	Cinch (yellow)
HDMI Output	HDMI
Audio Output (5.1)	6 Cinch
Digital Output	1 coaxial IEC60958 for CDDA/LPCM IEC61937 for MPEG 1/2 Dolby Digital

CABINET

Dimensions (w x h x d)	430 x 34 x 230 mm
Weight	Approximately 2.1 kg

POWER CONSUMPTION

Power Supply Rating	110-240V; 50/60Hz
Power consumption	<15W
Power consumption in Standby mode	<1.5W

Specifications subject to change without prior notice

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 widescreens is 16:9.

AUDIO OUT Jacks: 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 seconds, 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.

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

DivX 3.11/4.x/5.x/6: The DivX codec is a patentpending, 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, center and subwoofer).

JPEG: A very common digital still picture format. A still-picture data compression system proposed by the Joint Photographic Expert Group, which features small decrease in image quality in spite of its high compression ratio.

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

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

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

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

Progressive Scan: 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.

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 picture or music feature on DVD, music, etc., in video software, or the entire album in audio software. Each title is assigned a title number enabling you to locate the title you want.

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

HDMI: High Definition Multimedia Interface. A specification developed by the HDMI Working Group that combines multi-channel audio and high definition video and that controls signals into a single digital interface for use with DVD players, digital television, and other audiovisual devices.

