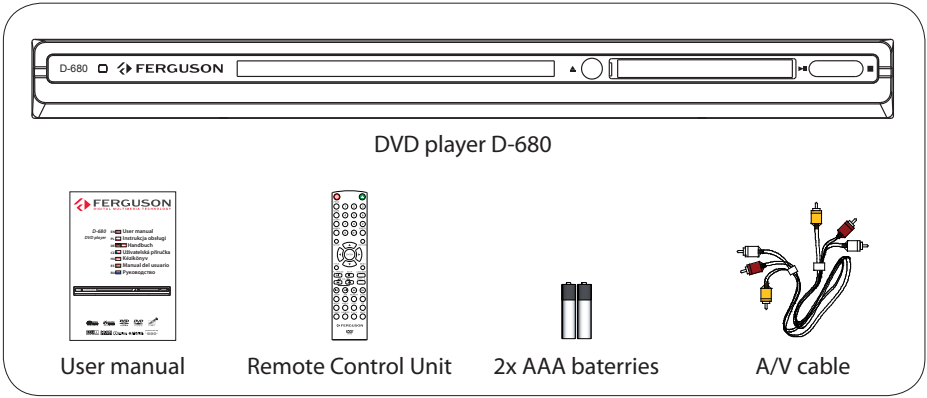
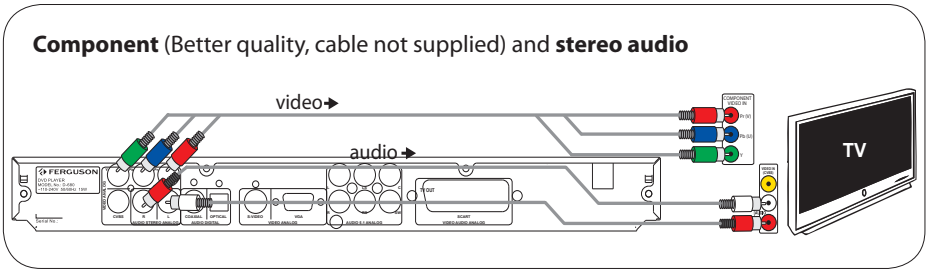


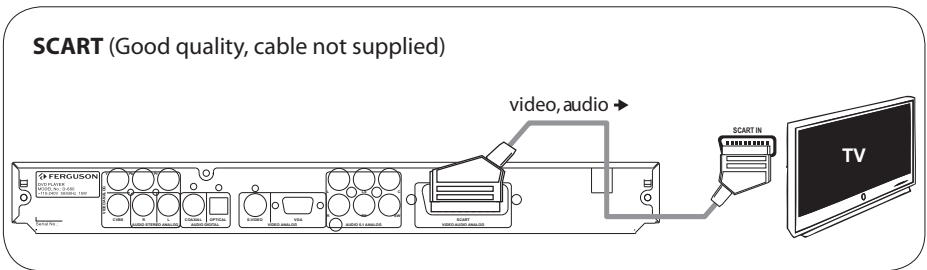
1. What's in the box?



2. Connect - basic audio/video connections



or

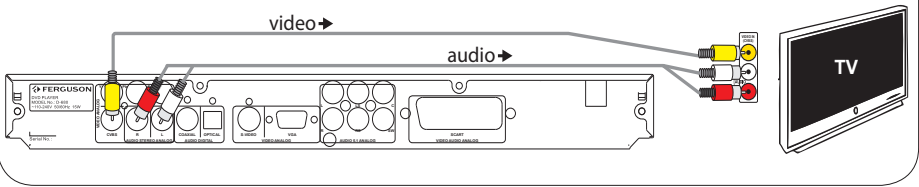


or



Quick Start Guide

ENGLISH

CVBS / Composite (Normal quality) and stereo audio



3. Setup

- 1 Press **⏻** to turn on.
- 2 Press **SETUP**. The  General Setup Page appears.
- 3 Press **▼** to select  {OSD Language} and press **▶**.
- 4 Use **▲▼** keys to select a language option in the menu and press **OK** to confirm.
- 5 Press **SETUP** to exit.

4. Use

- 1 Playback may start automatically when a disc has been loaded in the disc tray.
- 2 If a disc menu appears on the TV, use **◀▶▲▼** keys to navigate in the DVD menu.
- 3 Press **PLAY** to start playback.
- 4 To stop playback, press **STOP**.

CAUTION!

Refer to the user manual for more information.

Introduction

- 1 Supplied accessories
- 1 Cleaning discs
- 1 Safety Information
- 1 Setup

Connections

- 2 Connecting TV
- 3 Connecting the power cord
- 4 Optional: Connecting to an Stereo System
- 4 Optional: Connecting Digital AV Receiver

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- 17 General Setup Menu
- 18 Audio Setup Menu
- 19 Video Setup Menu
- 19 Preference Page
- 20 Password Page
- 21 XviD Subtitle Setup Page
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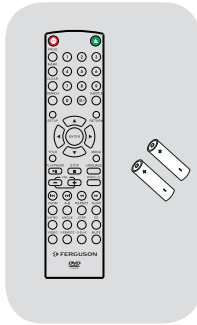
Troubleshooting

Specification

Glossary

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.

Safety Information

DANGER!

High voltage! Do not open the device. You run the risk of getting an electric shock.

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

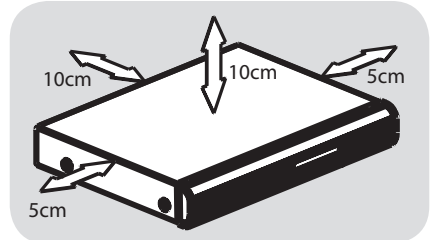
Setup

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 clearance from the rear and the top of the set and 5 cm from the left and right to prevent overheating.



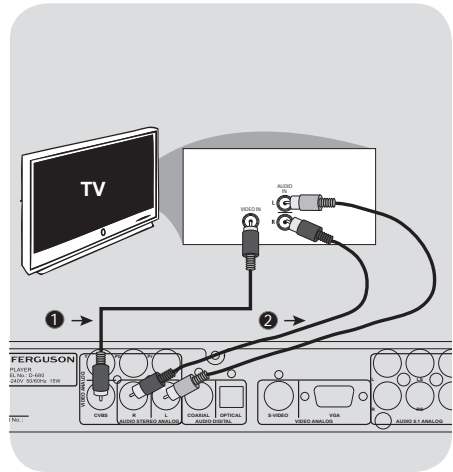
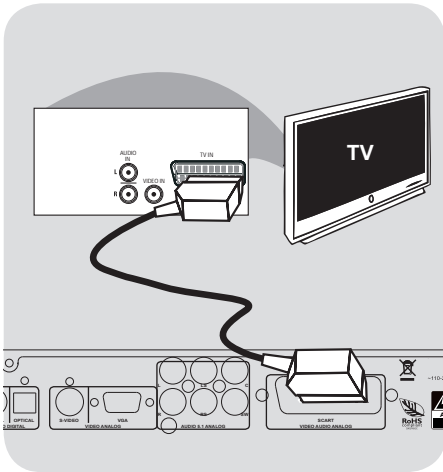
Avoid high temperatures, moisture, water and dust

- 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

ENGLISH

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.
- When there is no picture on screen press repeatedly VIDEO key.

Connection type	display
S-Video or SCART	S-Video
component interlaced	YUV
component progressive	YPbPr
VGA	VGA
SCART	RGB

Using Composite Video Jacks (CVBS)

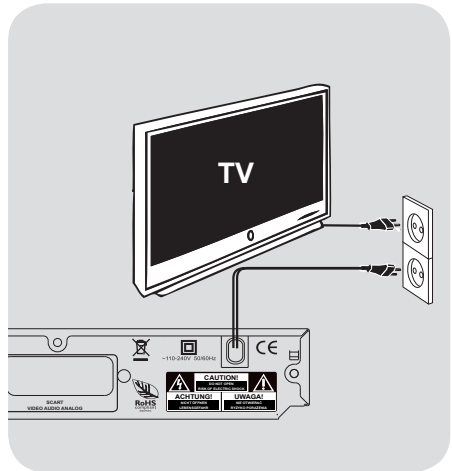
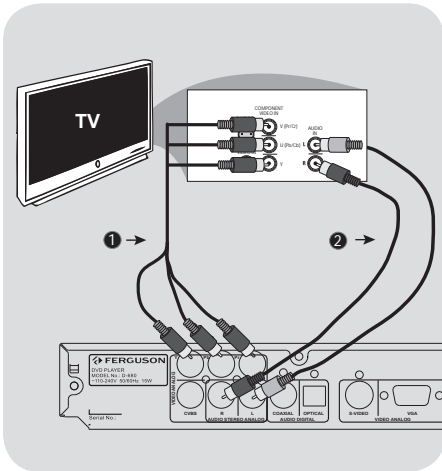
- 1 Use the composite video cable (yellow) to connect the DVD player's CVBS (VIDEO) jack to the video input jack (or the labeled as A/V in , Video In, Composite or Baseband) on the TV.
- 2 To hear the sound of this DVD Player through your TV, use the audio cables (white/red) to connect AUDIO OUT (L/R)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

Using SCART Jack

- A SCART connection will let you use features both Audio and Video on the DVD Player.

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

Connecting the power cord



IMPORTANT!

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

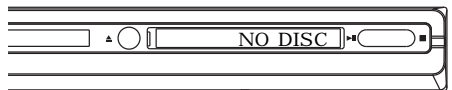
Using Component Video Jacks (Y Pb Pr)

- 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.

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.

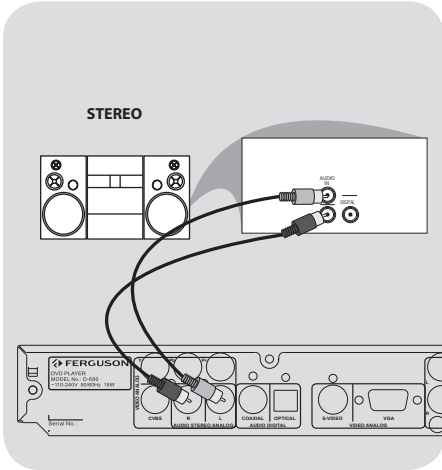
When no disc is loaded, press **POWER** on the DVD player front panel. "NO DISC" may appear on the display panel.



Connections

ENGLISH

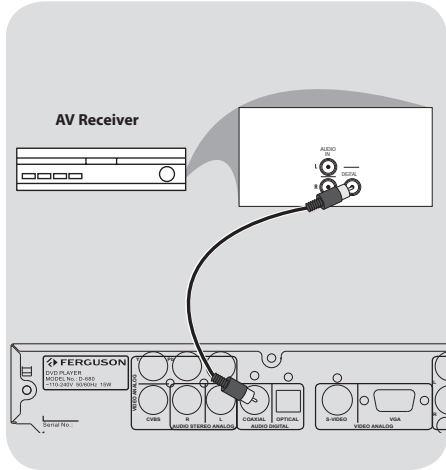
Optional: Connecting to an Stereo System



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 Digital AV Receiver



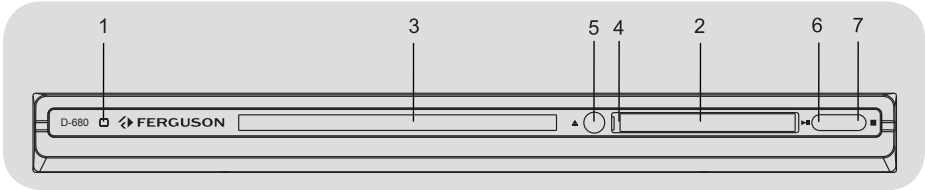
Receiver has a PCM, Dolby Digital, or MPEG2 decoder

- 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.

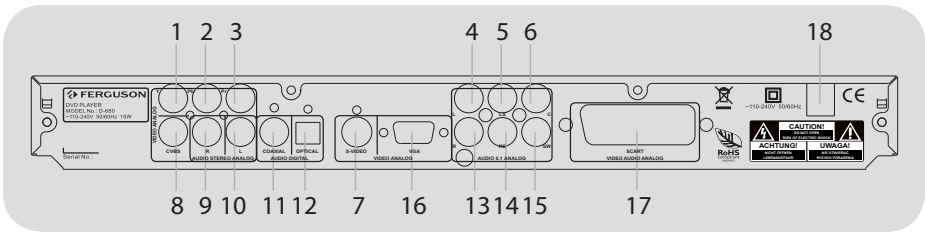
Helpful hint:

– 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.

Front and Rear panels



- ❶ **⏻ POWER** - Turns the player on
- ❷ **Display** - Shows information about the current status of the DVD Player
- ❸ **Disc tray**
- ❹ **IR Sensor** - Point the remote control towards this sensor
- ❺ **⏪ EJECT** - Open / close the disc tray
- ❻ **▶⏸ PLAY/PAUSE** - Starts or pauses playback
- ❼ **⏹ STOP** - Stops playback

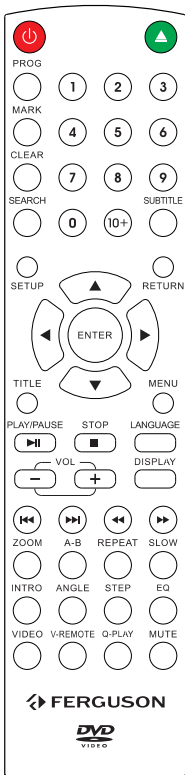
















- ❶ **Y (Component Video Out)** - connect to Y input of a TV
- ❷ **Pb (Component Video Out)** - connect to Pb input of a TV
- ❸ **Pr (Component Video Out)** - connect to Pr input of a TV
- ❹ **FL Multichannel Audio Out** - connect to front left input of an amplifier
- ❺ **LS Multichannel Audio Out** - connect to left surround input of an amplifier
- ❻ **C Multichannel Audio Out** - connect to center input of an amplifier
- ❼ **S-Video** - connect to S-Video compatible device
- ❸ **CVBS (Video Out)** - connect to CVBS video input of a TV
- ❹ **R Stereo Audio Out** - connect to audio right input of a stereo system
- ❺ **L Stereo Audio Out** - connect to audio left input of a stereo system
- ❻ **COAXIAL (Digital Audio Out)** - connect to coaxial audio input of an amplifier
- ❼ **OPTICAL (Digital Audio Out)** - connect to coaxial audio input of an amplifier
- ❹ **FR Multichannel Audio Out** - connect to front right input of an amplifier
- ❹ **RS Multichannel Audio Out** - connect to right surround input of an amplifier
- ❹ **SW Multichannel Audio Out** - connect to subwoofer input of an amplifier
- ❹ **VGA** - connect to VGA compatible device
- ❹ **SCART** - connect to SCART input of a TV
- ❹ **Main (AC Power Cord)** - connect to a standard AC outlet

Functional Overview

ENGLISH

Remote Control



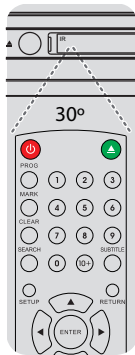
-  - Turns the player on or switches it to standby mode
-  - Open / close the disc tray
- PROG** - Arrange program
- MARK** - Memory play
- CLEAR** - Clear function
- SEARCH** - Start playback from a designated point
- Alphanumeric keypad 0-9** - Selects numbered items in a menu
- SUBTITLE** - Selects a DVD subtitle language
- Selects a XviD subtitle file
- SETUP** - Enters or exits system setup menu
- RETURN** - Return to disc menu playback
-     - Cursor buttons for moving left, right, up, down.
- ENTER** - Confirms an entry or selection
- TITLE** - To go back to show title menu
- MENU** - Switches on or off the playback control mode (VCD 2.0 only)
- Enter or exits the disc menu
- PLAY/PAUSE**  - Starts or pauses playback
- STOP**  - Stops playback
- LANGUAGE** - Selects an audio language (DVD/VCD) or audio channels
- VOL + -** - Increase / decrease the volume
- DISPLAY** - Display information on the screen during playback
- AVIinfo function
-  - Skips to the previous title/chapter/track
-  - Skips to the next title/chapter/track
-     - Fast forward/reverse search or slow forward/reverse search
- ZOOM** - Enlarge a picture on the TV screen
- A-B** - Setup repeat play segment
- REPEAT** - Selects various repeat modes
- SLOW** - Slow the normal play motion
- INTRO** - Introduce the digest of the disc.
- ANGLE** - Switch the camera angle during DVD playback;
- XviD subtitle moving and time adjustment
- STEP** - Step play
- EQ** - Select preferred sound mode
- VIDEO** - Select video output mode.
- V-REMOTE** - Control the video.
- Q-PLAY** - DVD QuickPlay function
- MUTE** - Turn on/off sound

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 Press **POWER** on the DVD player to turn it on.
- 2 Turn on the TV and set it to the correct video-in channel. You should see the DVD background screen.
 - Usually these channel are between the lowest and highest channels and may be called FRONT, A/V IN, VIDEO. See your TV's 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.
- 3 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.

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.

Getting Started

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 and set to interlace mode (refer to your TV user manual).
- ② Press **POWER** on the remote control to turn on the DVD player.
- ③ Select the correct Video Input channel.
 - The DVD background screen appears on the TV.
- ④ Press **VIDEO** button on the remote control for few seconds.
 - The DVD background screen appears on the TV.
- ⑤ Turn on your TV progressive scan mode (refer to your TV user manual).
 - The DVD background screen appears on the TV.

To deactivate Progressive manually:

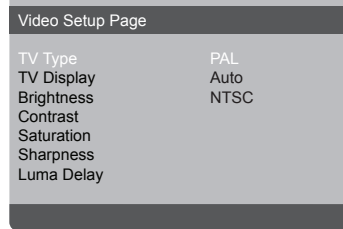
- Press **VIDEO** button on the remote control for few seconds.
 - The DVD background screen appears on the TV.

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 **▲▼** to highlight {TV Type}, then press **▶**.
- ④ Press **▲▼** 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.

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

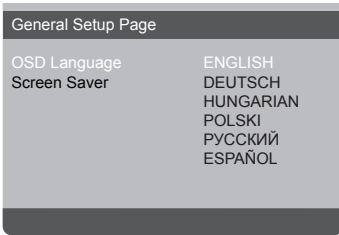
- ⑤ Select a setting and press **OK**.
 - Follow the instructions show on the TV to confirm the selection.

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

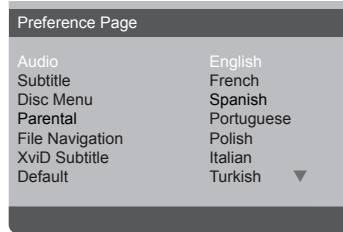
The On-screen language for the system menu will remain as you set it, regardless of various disc languages



- 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 (⊘) 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
- XviD disc on CD-R[W]/DVD+R[W]:
 - Q-pel accurate motion compensation
 - Global Motion Compensation (GMC) playback (1-warp pont only)

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

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

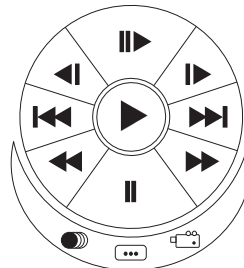
- Use **◀▶▲▼** keys or **numeric keypad (0-9)** on the remote, then press **OK** to start playback.

To access or remove the menu

- Press **MENU** on the remote.






Using V-Remote

Press the **V-REMOTE** key to show v-remote menu at the left side of the screen from the bottom. Use **◀▶▲▼** keys to switch the cursor to the desired mark, and then press the select key to confirm. The introduction of detailed functions is as follows:



- ▶ : Play. When the unit is stepping, slow, skipping, pause and stop, press this mark to resume the normal play.
- : Step. Every press next is to move the picture one frame.
- ◀/▹ : Slow. Press it to slow the speed of the normal play.
- ◀◀/▹▹ : Skip. Press skip-forward or skip-backward to different chapter or title.


Disc operation

-  : Fast forward/reverse.
-  : Pause.
-  : AUDIO. Refer to the AUDIO key for detailed information.
-  : Subtitle.
-  : Angle.

Slow Motion

- ① Press **SLOW** 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/XviD) or intermittent (audio files/CD).
- ② To return to normal speed, press **PLAY/PAUSE** or **OK**.



OSD (On -Screen Display) (DVD/VCD/SVCD/XviD)

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 **ENTER** 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 **ENTER** 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 **ENTER** 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.

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 **LANGUAGE** repeatedly to select different audio language.

For VCD

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

Subtitles

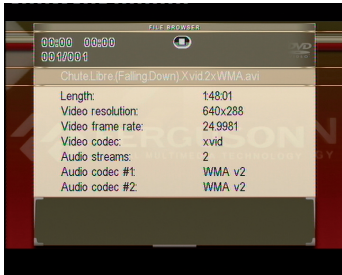
- Press **SUBTITLE** repeatedly to select different subtitle languages.

Disc operation

Special .avi (XviD) Features

AVInfo function

- 1 Press **DISPLAY** button in File Browser on .avi file to view detailed file information (AVInfo function).



- 2 Press **DISPLAY** key to exit AVInfo function

Subtitles loading

- 1 Choose subtitle file from File Browse by pressing **OK** on that file.
- 2 Start .avi playback.
or
 - 1 Start .avi playback.
 - 2 Choose subtitle by pressing **SUBTITLE** button during playback.

Subtitles position and time shift

- 1 During .avi playback, press **ANGLE**. Use **▲▼** keys to change subtitle position.
- 2 Press **ANGLE** again. Use **◀▶** keys to adjust subtitle time shift.
- 3 Press **OK** key to confirm

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 XviD disc

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

- 1 Load a XviD 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 XviD disc, pressing **SUBTITLE** will change the subtitle language during playback.

Helpful Hints:

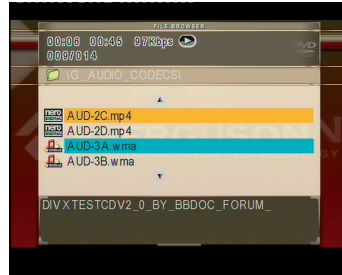
– Subtitle files with the following filename extensions (.srt, .smi, .sub, .ssa, .txt) are supported and appear on the file navigation menu.

Playing JPEG/Picture CD/audio files

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

General Operation

- 1 Load a disc.
→ 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.

Disc operation

Zoom picture (JPEG)

- During playback, press **ZOOM** repeatedly to display the picture with different scales.
- Use ◀◀ ▶▶ to view the zoom in or zoom out
- 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 **STOP** 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 **ENTER**.
→ The picture files will be played back one after another until end of the folder.
- 4 To quit simultaneous playback, press **STOP**.

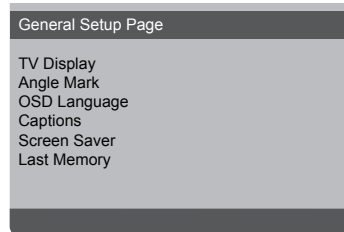
Helpful Hint:

- Some files on Kodak or JPEG disc may be distorted during playback due to the configuration and characteristics of the disc.
- During simultaneous playback, fast forward / reverse or slow forward is not available.

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.



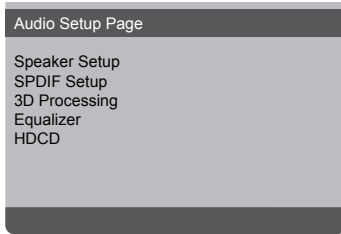
OSD Language

This menu contains various language options for display language on the screen.

DVD Setup Menu Options

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 analog output of your DVD Player.

- 1 In 'AUDIO SETUP PAGE', press ▲▼ keys to highlight {Speaker setup > Downmix}, 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.
{5.1 CH} - Select this option to enable multi-channel output.
- 2 Use ▲▼ keys to select a setting and press **ENTER** to confirm.

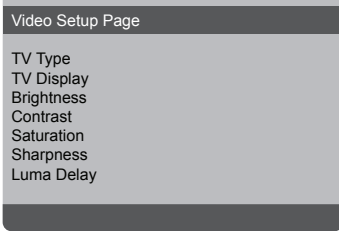
Digital Audio Setup

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 > SPDIF Output}, then press ▶.
 - 2 Use ▲▼ keys to select an option.
 - 3 Press ▶ to enter into the submenu.
 - 4 Press ▲▼ keys to select a setting.
- **{SPDIF Output}**
Select this if you connect to a multichannel decoder/receiver.
{RAW} - 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 {SPDIF Output} is set to {RAW}, 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.

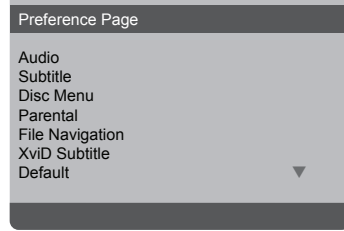
Setting the TV Display

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.

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

DVD Setup Menu Options

Helpful Hints:

- VCD, SVCD, CD have not 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.

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.

- ① In 'Preference Page', use ▲ ▼ keys to highlight {Default}, then press ► to select {Reset}.
- ② Press **OK** to confirm.
 - All settings will now reset to factory defaults.

Password Page

Changing the Password

The password is used for Rating setting. Enter your four-digit password when prompted on the screen, default password is 8806.

- ① In 'Password Setup Page', press ▲▼ to highlight {Password}, then press ► to select {Change}.
- ② Press **OK** and the menu appears.
- ③ Use the **numeric keypad (0-9)** to enter your old password.
 - When doing this for the first time, Key in '8806'.
 - If you forget your old six-digit password, Key in '8806'.
- ④ Enter the new four-digit password.
- ⑤ Enter the new four-digit password a second time to confirm.
 - The new four-digit password will now take effect.
- ⑥ Press **OK** to confirm.

XviD Subtitle Setup Page

Setting the XviD subtitle font

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

- 1 In 'XviD Subtitle Setup Page', use ▲ ▼ keys to highlight {Subtitle Codepage}, then press ►.

CP1252 - Standard

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

CP1251 - Cyrillic

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

CP1250 - Central European

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

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

Software upgrade

Periodically Ferguson will issue software upgrade to enhance your user experience.

- **To download and install the latest software to the DVD player**

Visit the Ferguson website www.ferguson-digital.eu to check the availability of the latest software upgrade.

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 POWER 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 clean 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

- 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

- 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.

- Operations may not be permitted by the disc. Refer to the instructions of the disc jacket.

DVD Player cannot read CDs/DVDs

- Use a commonly available cleaning CD/DVD to clean the lens before sending the DVD Player for repair.

Menu items cannot be selected

- Press STOP twice before selecting System Menu.
- Depending on the disc availability, some menu items cannot be selected.

No sound during XviD movies playback

- The audio codec may not be supported by the DVD player.

An XviD movies does not repeat

- Check that file size of the movies does not exceed the file size of the CD disc during burning.

Specifications

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

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

VIDEO PERFORMANCE

Video DAC	12bit 108MHz
YPbPr	0.7Vpp -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	
	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 and 5.1
Dolby Surround compatible downmix from Dolby
Digital multi-channel sound

AUDIO PERFORMANCE

DA Converter	24bit, 192kHz
DVD	fs 96kHz 4Hz-44kHz fs 48kHz 4Hz-22kHz
SVCD	fs 48kHz 4Hz-22kHz fs 44.1kHz 4Hz-20kHz
CD/VCD	fs 44.1kHz 4Hz-20kHz
Signal-Noise (1kHz)	>100dB
Dynamic range (1kHz)	>90dB
Crosstalk (1kHz)	>100dB
Distortion/noise (1kHz)	>85dB

CONNECTIONS

Scart Output	Euroconnector
YPbPr Output	Cinch 3x
CVBS Output	Cinch (yellow)
Audio Output (L+R)	2 Cinch (white/red)
Audio Output 5.1	5.1 Cinch
Digital Output	1 coaxial IEC60958 for CDDA/LPCM IEC61937 for MPEG-1/2 Dolby Digital 1 optical

CABINET

Dimensions (w x h x d)	360 x 42 x 235 mm
Weight	Approximately 2.1kg

POWER CONSUMPTION

Power Supply Rating	110-240V; 50/60Hz
Power consumption	<12W
Power consumption in Standby mode	<1W

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.

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.

