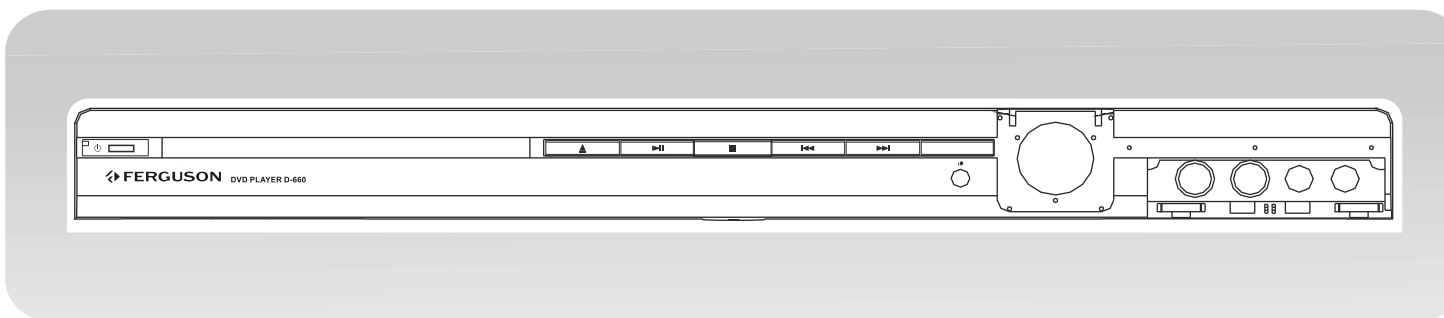


↔ FERGUSON

DVD VCD\SVCD\CD\MP3\JPEG
PLAYER
USER'S MANUAL

See anything. Enjoy more...



DVD D-660

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Thank you very much for your purchase of our products. Please read through this manual in detail before using and keep it for reference.

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SAFETY PRECAUTIONS

- To prevent fire or shock hazard, do not expose this appliance to rain or moisture.
- This appliance is a Class I laser product. Direct exposure to beam may cause eyes injury.
- Do not open the cabinet by yourself and leave all servicing to qualified service personnel.
- Power requirement for this appliance is AC 110~240V, 50/60 Hz, please ensure the power supply is in the range before turning on.

OPERATION PRECAUTIONS

- Please use the original packing case and materials when transporting this DVD player, and pack the appliance in the original factory packing style for better protection.
- The temperature of the upper cover board and the rear panel of the player may be high after a long period of time of playing. This is not a problem but a normal phenomenon.
- When the player is not to be used, please remove the disc and turn the power off.
- Malfunction may be caused when the player is not used for too long, so please turn it on occasionally for better maintenance.
- Some kinds of discs may cause the appliance to hang, please restart the appliance when this occurs.
- Interval of restarting should be longer than 10 seconds, which can help to extend the life expectancy of the appliance.

- This appliance had better be unplugged after using each time for better protection.

LOCATION

- The moving pictures and played sound may be affected when the DVD player is placed close to TV set, radio or VCR, so please keep them further away.

ACQUIRING CLEAR PICTURES

- This DVD player is a device of high technology and high precision. The image quality may be impaired when the laser head or the disc driving parts are dirty or damaged.

CONDENSATION PRECAUTIONS

- Condensation may cause certain kinds of damage to the player. It may form because
 - The player is moved from cold to warm surroundings;
 - The player is placed inside a room where the heater is just on or exposed to the ventilation hole of an air-conditioner;
 - The player is moved out from an air-conditioned room to a place of high temperature and humidity in summer time.
 - The player is being used in a surrounding of high humidity.

- Do not use the player where condensation may be form easily, otherwise damage may be caused to the disc and inner parts of the player. Please take the disc out, plug the power cord into a wall outlet and turn the player on. The moisture will disappear when the temperature rises two or three hours later.

CLEANING PRECAUTIONS

- Use a soft and dry cloth for cleaning.
- For the stains that cannot be removed easily, apply some diluted neutral detergent to a cloth, wring the cloth dry and wipe the stains away, then use a dry cloth to clean. Do not use any solvents such as thinner or benzene; otherwise the surface of the player may be damaged.
- When use duster cloth with chemical substance for leaning, please refer to the using procedures the product requires.

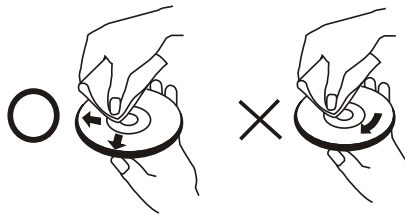
- Manufactured under license from Dolby Laboratories.
- 'Dolby', 'Pro Logic' and double-D symbols are trademarks of Dolby Laboratories. Confidential unpublished works. All rights reserved.

[DISC CARE]

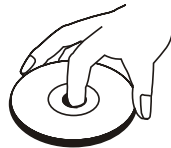
This section provides information of using, cleaning and storing discs.

CLEANING DISCS

- Fingerprints or other dirt on the disc may affect sound and picture quality. To keep discs clean, use a soft cloth and wipe from the inside toward the outer edge.
- If soft cloth cannot wipe the dirt away, use a wet cloth to wipe and then a dry cloth to clean.

**USING DISCS**

- Do not touch the playing surfaces of discs.



- Do not fix labels or stickers to discs.

**STORING DISCS**

- Do not expose discs to direct sunlight and heat sources.
- Keep discs away from moist or dirty surroundings.
- Store discs standing upright in their jackets. Stacking discs or placing them outside jackets may cause them to warp.

ABOUT THIS MANUAL

- This manual only provides basic explanation for the product.
- Some kinds of discs may not be mentioned or totally the same as stated in this manual. Please refer to the TV screen display and disc specification.
- When '⊘' is displayed on the screen, the function being used is not available to this disc.

[OPERATION GUIDE]

DVD is an incredible format that presents the highest quality digital audio and video available today. It can contain enormous data, thus provides functions and features other media cannot reach.

Getting familiar with the DVD player

If you are new to DVD, please first read through the INTRODUCTION chapter and the NAMES AND FUNCTIONS chapter, to get familiar with the functions, parts, buttons on the main unit and buttons on the remote control, which will be referred to throughout the operation.

Making necessary connection

No entertainment system seems to be set up exactly the same way. The chapter MAKING CONNECTIONS shows how video and audio connections may be made to suit your home entertainment system.

Using SETUP menu

If you wish to know about detailed setting of this appliance, please refer to the BASIC SETTING chapter, which introduces the various settings and meanings of the player and helps you to use the player better.

Playing discs

When all the connection and setups have been made, you are ready to play a DVD, SVCD, VCD, DVCD, CD, MP3 disk with this appliance. You can also enjoy browsing images in a JPEG format stored in a disc.

Differences in disc composition

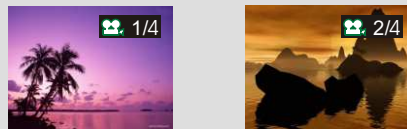
DVD

All discs are divided up into smaller, more manageable sections so that you can find specific content more easily. DVD discs are divided into one or more titles. Each title may be further divided into several chapters. Occasionally, a chapter may contain index points, effectively dividing the chapter up into several parts, too.



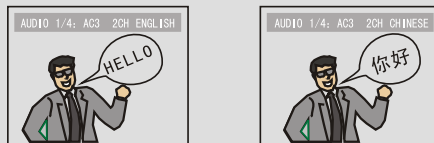
MULTI-ANGLE

You can view scenes from different camera angles when watching movies or other media with multiple angle playback available.



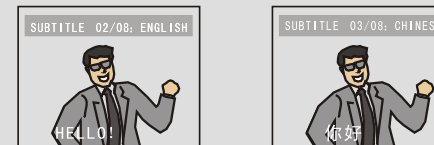
MULTIPLE LANGUAGES

You can select the expected language on when watching movies or discs that have multiple languages and/or audio soundtracks recorded on them.



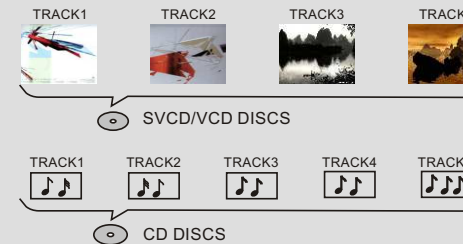
MULTI-LANGUAGE SUBTITLES

You can select the expected subtitle language or turn subtitles off when watching movies or discs that have multi-language subtitles recorded on them.



SVCD/VCD/CD

SVCD/VCD/CD are divided into a number of tracks. A track may contain a number of index points occasionally, which effectively divides the track up into several parts.



MP3/JPEG

MP3 (MPEG1 audio layer 3) is a compressed audio file format. Files are recognized by their file extension ".mp3" or ".MP3". JPEG is a compressed image file format. Files are recognized by their file extension ".jpg" or ".JPG".



INTRODUCTION OF PRODUCT FUNCTIONS

This appliance adopts Taiwan MediaTeK's latest DVD decoder chip that integrates functions of decoder and servo. It supports full functional DVD playback modes including 8 languages, 32 subtitles and 9 angles. The appliance can play DVD, Super VCD, VCD, DVCD, CD and CD-R discs. In addition, MP3 and Picture CD are also playable.

The player has the following features:

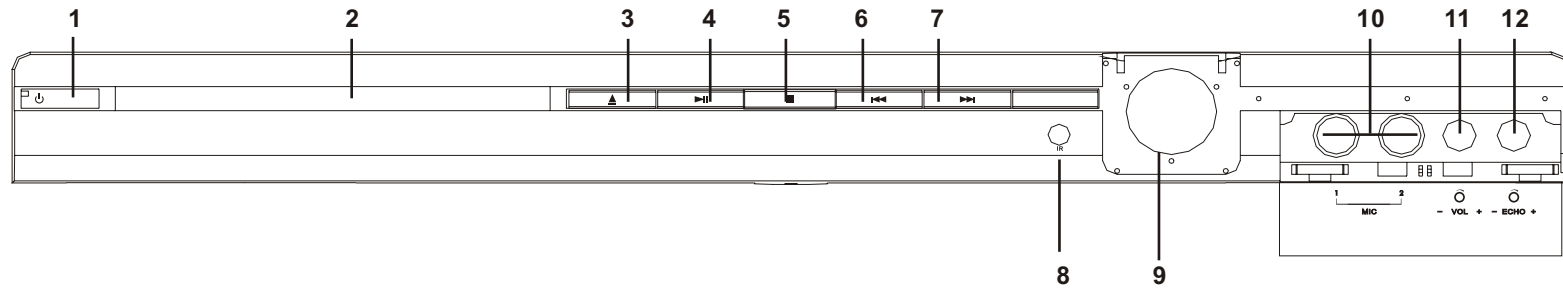
- MPEG-4 decoder
- The latest ultra-thin DVD (the thickness of the player is only 38mm).
- Build-in DOLBY DIGITAL with 6-channel audio output.
- Sanyo's latest laser-head with super error-correction capability.
- 12-bit/108MHz video D/A converter with up to 500-line horizontal resolution.
- 24-bit/192KHz audio D/A converter with high-quality DVD audio output.
- 3D virtual surround sound effect and 8 reverb modes.
- Coaxial digital audio out jacks.
- Standard video out (AV), S-video out, component video out (Y, Cb/Pb, Pr/Cr) and SCARTvideo out jacks.
- 16:9 and 4:3 TV screen aspect ratio support.
- Playback functions including Program, Repeat, Slow Forward/Reverse, Fast Forward/Reverse, Zoom In/Out, Memory, JPEG, etc.
- Parental Lock Level control system.
- High-reliability power supply switch and wide power requirement range (AC 100-253V, 50/60Hz).
- Screen saver program for screen protection.
- Auto STANDBY function for automatic electricity saving.
- Super search function, supporting various search modes.

MPEG-4

- MPEG-4, an extension of MPEG-2 technology, is a format with high image quality and low data transmission rate. With the support of MPEG-4 technology, the image quality of video files on a CD-ROM, whose capacity is only 700 MB, can reach or approach the image quality of DVD. The player identifies this type of file by judging whether the file extension is ".AVI" or ".avi".

**Apparatus Claims of U.S. Patent
Nos. 4, 631, 603; 4, 577, 216;
4, 819, 098 and 4, 907, 093
licensed for limited viewing uses only.**

FRONT PANEL

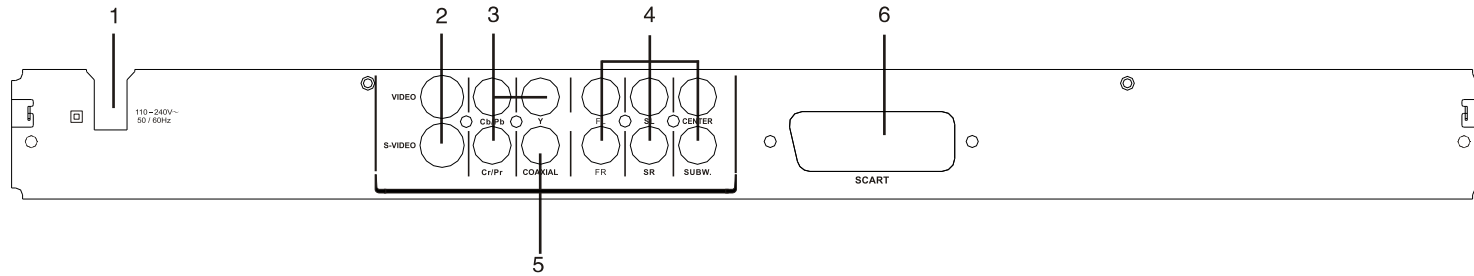



- 1. **⏻ POWER button**
Press to alternate the player to ON and OFF repeatedly
- 2. **Disc tray**
When loading a disc, place discs in the disc tray with the label side facing up.
- 3. **▲ (EJECT) button**
Press to open and close the disc tray.
- 4. **▶|| (PLAY/PAUSE) button**
Press for the first time to stop playback, press for the second time to resume the playback from the pause point.

- 5. **■ (STOP) button**
During DVD playback, press once to stop and then press PLAY button to resume playback from the stop point; press this button twice causes the disc to return to the beginning of the disc if playback starts again.
- 6. **◀◀ (PREV) button**
Press to go back to previous chapter/track.
- 7. **▶▶ (NEXT) button**
Press to skip to next chapter/track.
- 8. **Remote sensor**
Point the remote control toward the remote sensor to operate the player.

- 9. **Display window**
Displays current disc information.
- 10. **MIC input jack**
Use to connect to a microphone to the player to use the Karaoke function.
- 11. **VOL control knob**
Turn to adjust the volume of microphone input.
- 12. **ECHO control knob**
Turn to adjust the echo effect of microphone input.

REAR PANEL

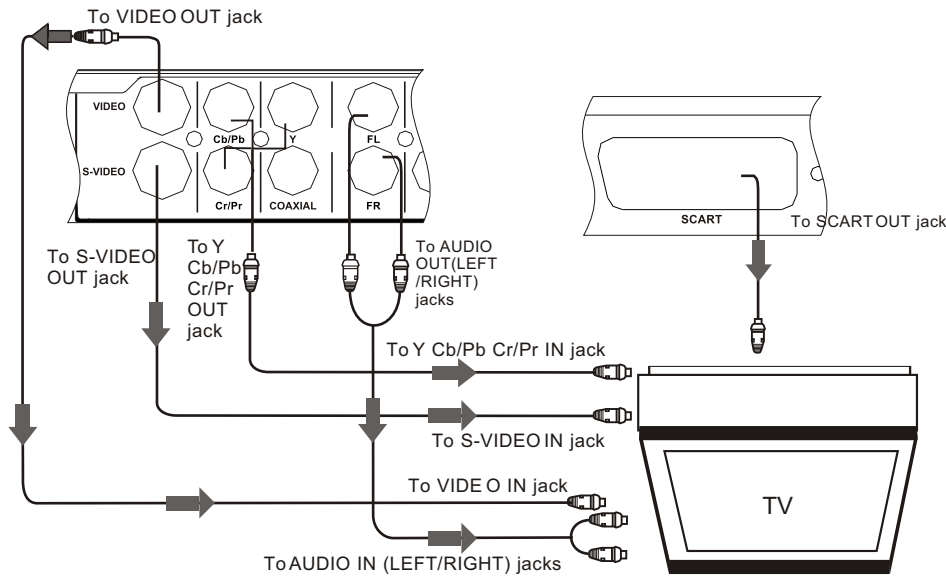


1.  100-250V~ 50/60Hz AC IN power cord connection terminal
Use to connect the power cord to the wall outlet.
2. CVBS / S-VIDEO OUT jack
Connect to the video input on a TV, monitor, AV amplifier or receiver with video input capability.
3. COMPONENT VIDEO OUT jacks
If your projective monitor or projector or other similar devices has component video inputs, you can produce a higher quality picture on it by connecting its component video cable to the Y Pb Pr jacks on this unit.

4. 5.1CH AUDIO OUT jacks
Use to output decoded 5.1-channel audio to multi-channel receiver or amplifier.
5. COAXIAL DIGITAL AUDIO OUT jack
Use to output digital audio recorded on discs by connecting to the coaxial digital audio input on an AV amplifier or receiver with digital audio input capability, but you first need to change the setting to digital audio output on the SETUP MENU.

6. SCART OUT jack
Connect to the SCART input on a TV or other devices with progressive scan SCART input capability.

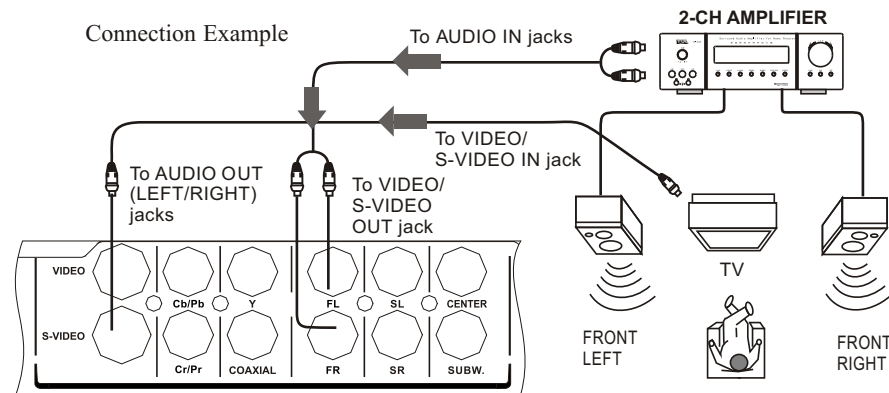
CONNECTING TO A TV



Notes:

- If the TV has a S-VIDEO IN jack, connects it to the S-VIDEO OUT jack on the player.
 - If the TV has a SCART IN jack, connects it to the SCART OUT jack on the player.
 - If the TV has COMPONENT VIDEO IN jacks (Y, Pb, Pr), connects them to the corresponding Y, Pb, Pr OUT jacks.
 - If you'd like to output the audio to the TV, please connect the Left/Right channel output jack on the player to the corresponding channel input jack on the TV by matching the color of the plugs with the color of the jacks (red for right channel and white for left).
- note: To enjoy the movie, please do not have the SCART and Y/Pb/Pc jacks connected at the same time.*

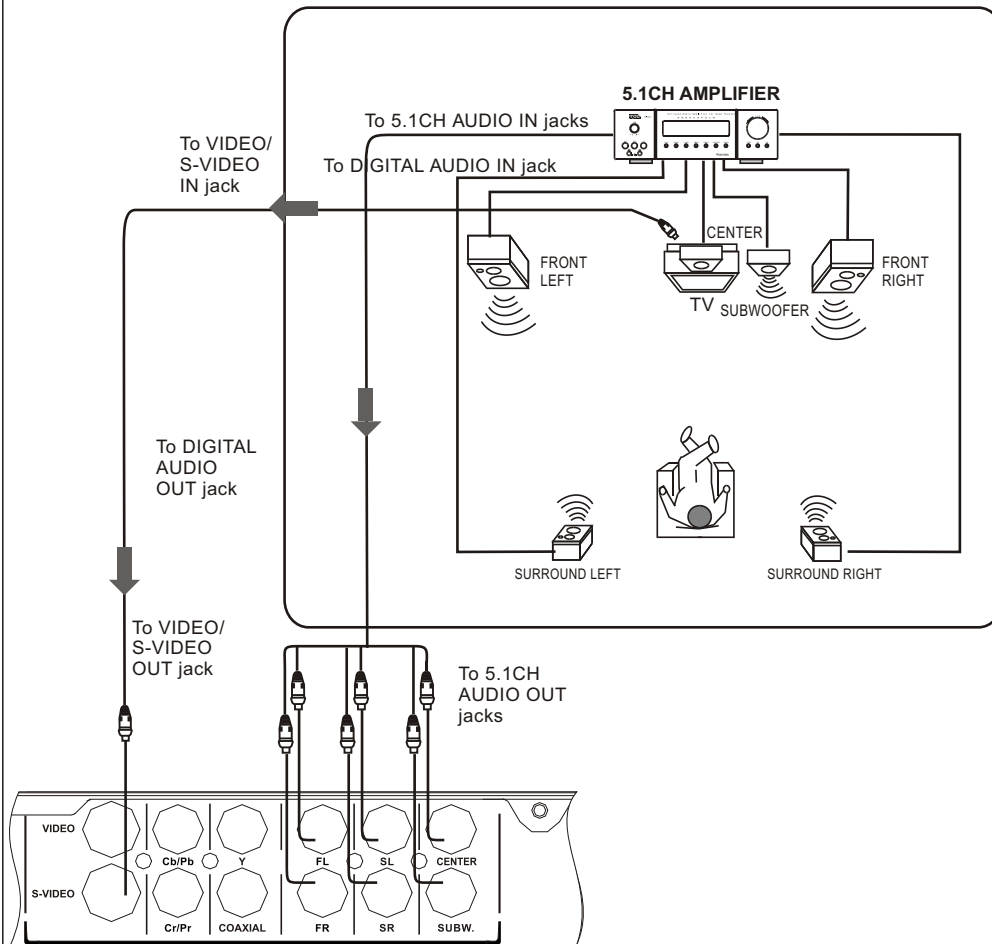
CONNECTING TO A 2CH AMPLIFIER



You can enjoy the stereo audio effect by connecting the player to a two-channel amplifier-and-speakers system. Please ensure the audio output of the player is set to STEREO.

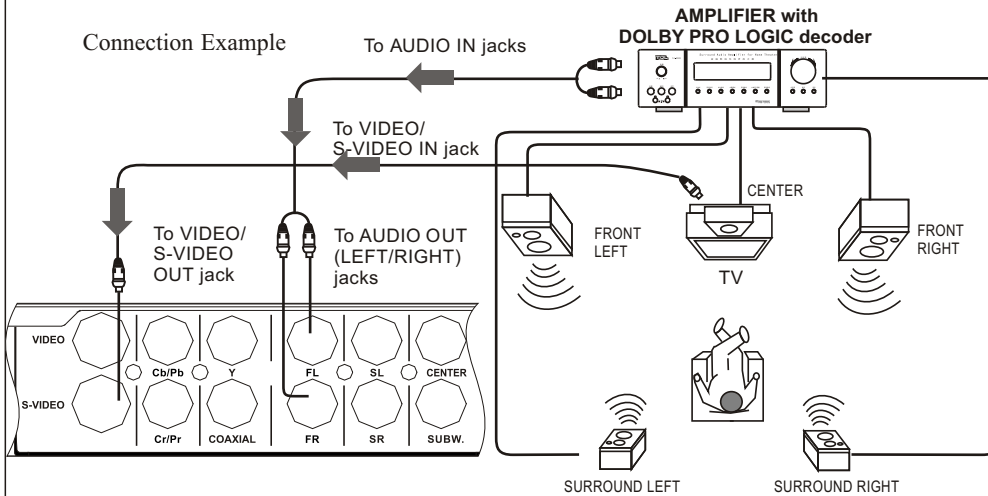
CONNECTING TO AN AMPLIFIER WITH 5.1CH AUDIO INPUT

Connection Example



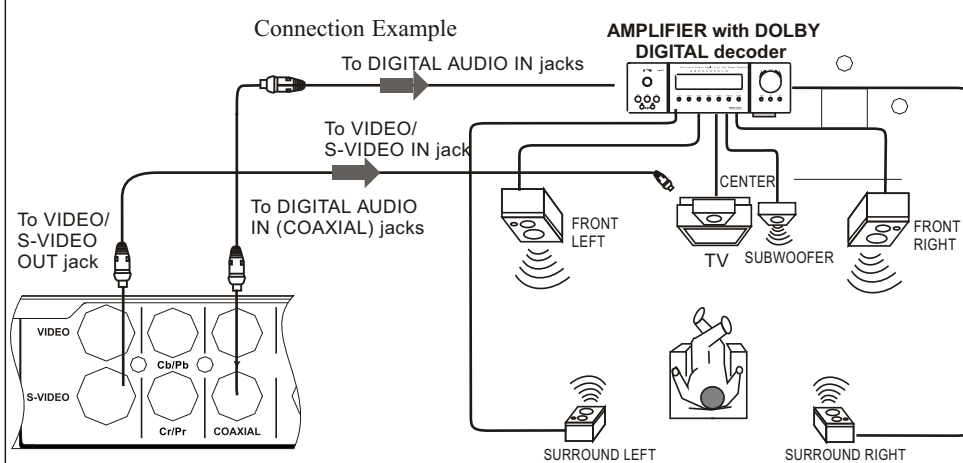
You can enjoy the real 5.1-channel Dolby Digital Audio effect by connecting the player to an amplifier-and-speakers system with 5.1ch capability.

CONNECTING TO AN AMPLIFIER WITH DOLBY PRO LOGIC DECODER



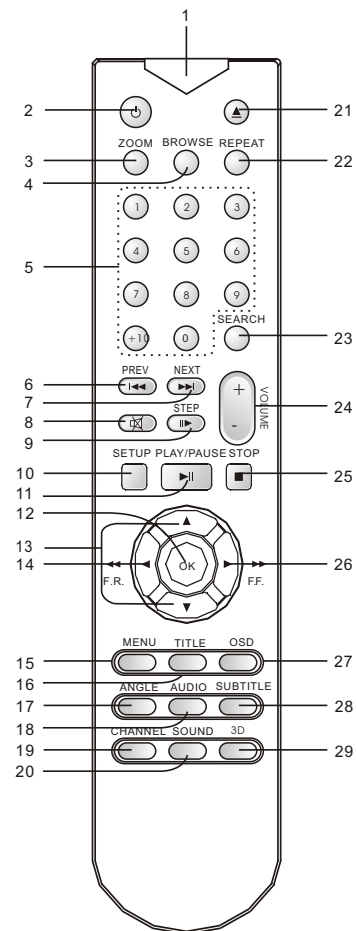
You can enjoy the Dolby Surround audio effect by connecting the player to an amplifier-and-speakers system with Dolby Pro Logic decoder.

CONNECTING TO AN AMPLIFIER WITH DOLBY DIGITAL DECODER



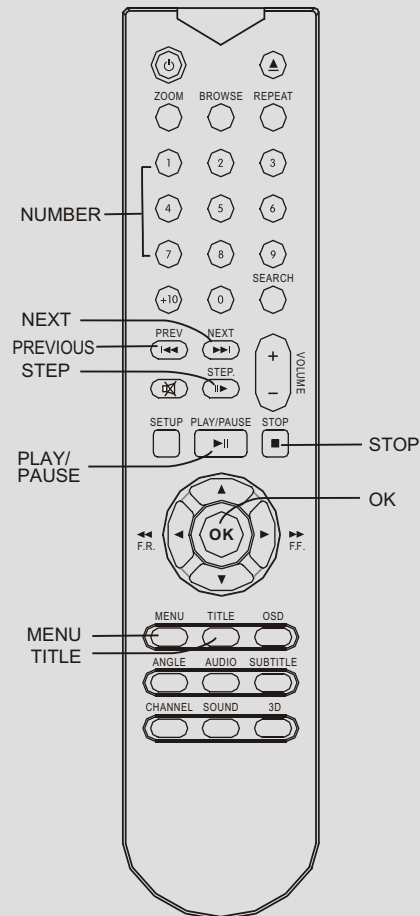
You can enjoy the completely-reproduced 5.1-channel Digital Theatre Systems audio effect by connecting the player to an amplifier-and-speakers system with Dolby Digital decoder via a coaxial cable. Please ensure the audio output of the player is set to SPDIF/ ALL or SPDIF/PCM.

REMOTE CONTROL



- | | |
|-----------------------------|----------------------------|
| 1. REMOTE SIGNAL
EMITTER | 16. TITLE |
| 2. STANDBY | 17. ANGLE |
| 3. ZOOM | 18. AUDIO |
| 4. BROWSE | 19. CHANNEL |
| 5. NUMBER | 20. SOUND |
| 6. PREVIOUS | 21. EJECT |
| 7. NEXT | 22. REPEAT |
| 8. MUTE | 23. SEARCH |
| 9. STEP | 24. VOLUME |
| 10. SETUP | 25. STOP |
| 11. PLAY/ PAUSE | 26. RIGHT/ FAST
FORWARD |
| 12. OK | 27. OSD |
| 13. UP/DOWN | 28. SUBTITLE |
| 14. LEFT/ FAST
REVERSE | 29. 3D |
| 15. MENU | |

BASIC OPERATION



DVD TITLE & MENU PLAYBACK

1. Press TITLE button to access the title menu of the disc.
2. Select the item with the CURSOR buttons then press OK to start playback.
3. Or press the NUMBER buttons to play the corresponding chapter directly.
4. Press MENU button and the main menu of the disc will be displayed on the TV screen. Menu screen varies with the disc.

Notes:

This operation is only available for DVD discs. Some discs may directly begin playback after data reading.

VCD MENU PLAYBACK

1. Press MENU button to switch the PBC mode to ON. For VCD2.0 and SVCD discs, PBC menu will be accessed automatically.
2. Press the NUMBER buttons to play the corresponding chapter directly.
3. During playback, press STOP button to stop playback.

STEP PLAYBACK

Each pressing the button advance the disc a frame ahead. Press the PLAY button to resume normal playback.

SEQUENTIAL PLAYBACK

1. For VCD2.0 and VCD discs, switch PBC to OFF and access the sequential playback mode.
2. Under sequential playback mode, you can press the NUMBER buttons to play the corresponding chapter directly.

Note:

NUMBER buttons are available during playback. For VCD 1.0 and 1.1 discs, sequential playback mode will be accessed directly after disc reading. (only available for sequential playback mode)

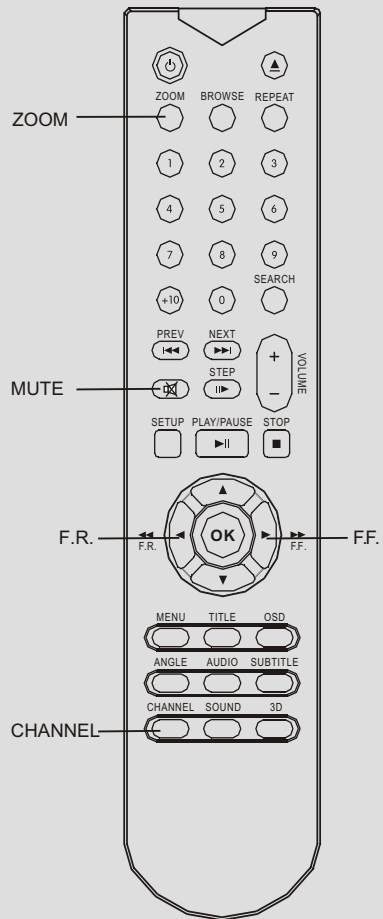
PLAY/PAUSE

1. During playback, press the PLAY/PAUSE button on the remote control or the ►|| button on the front panel to pause playback.
2. When playback paused, press the PLAY/PAUSE button or ►|| button again to resume playback from the pause point.

CHAPTER SKIP

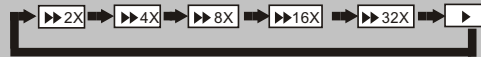
1. Press NEXT button on remote control or ►| button on front panel to skip forward to the next chapter.
2. Press PREVIOUS button on remote control or ◀| button on front panel to skip back to the previous chapter.

BASIC OPERATION



FAST FORWARD

Press ►► button on remote control to fast search the disc at 5 speeds.



FAST REVERSE

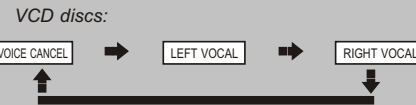
Press ◀◀ button on remote control to fast reverse the disc at 5 speeds.



Notes:
Press PLAY button to resume normal playback at any speed of forwarding or reversing.

CHANNEL SELECTING

Press CHANNEL button to switch the channel mode. Each pressing of the button will switch the mode in below sequence:



Notes:
For certain Karaoke discs, vocal and music are stored in left and right channel separately. Switch to the relevant channel to play only the music channel when using the Karaoke function.

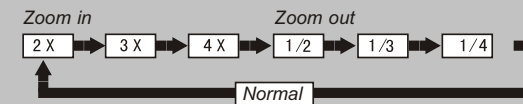
MUTE

1. During playback, press MUTE button to turn the sound off, and the following will appear in the bottom left corner of the screen. **Mute**
2. Press MUTE button again to resume the sound, and the following will appear in the bottom left corner of the TV screen. **Mute off**

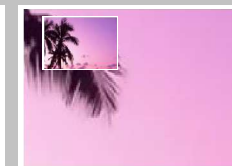
Note: If you find AUDIO OUT doesn't work, please check if MUTE is on.

ZOOM

1. Press ZOOM button to zoom in or zoom out the current picture in below sequence:

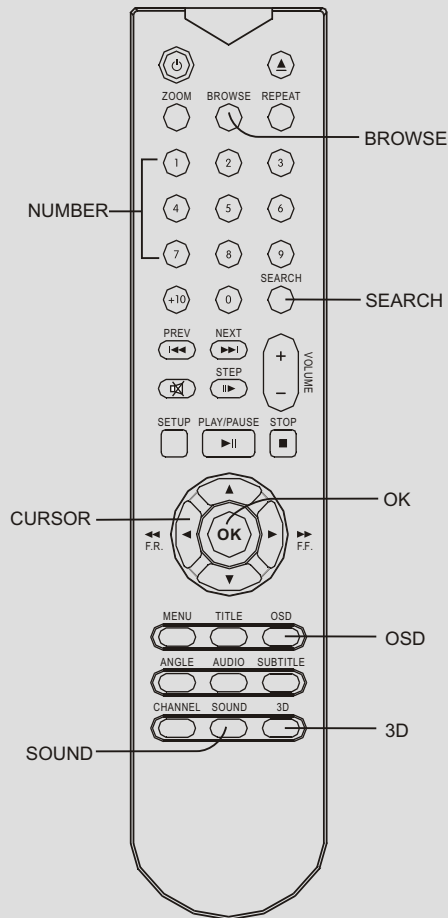


Normal picture



Enlarged picture

BASIC OPERATION

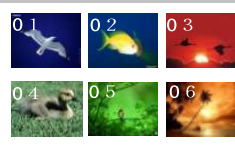


- When the picture is large than the TV screen can display, you can use CURSOR buttons (▲▼▶◀) to move the picture.
- Press ZOOM repeatedly until the original picture size is resumed.

BROWSE

- Press BROWSE button to access the Select Digest Type window. For VCD, there are three options: Track Digest, Disc Interval and Track Interval. For DVD, there are 4 options: Title Digest, Chapter Digest, Title Interval and Chapter Interval.

Example: Track Digest for VCD



Type: Track
Select (01-06) --
Exit Menu

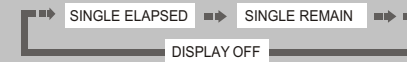
- Use NUMBER buttons to enter the number of the desired static picture, then press ENTER to start playback from that static picture.
- Or use CURSOR buttons to move cursor to highlight EXIT and press ENTER to resume normal playback.

DISC INFORMATION

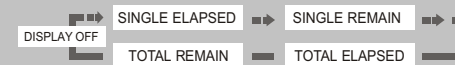
Press OSD button repeatedly and the disc information will be displayed in below sequence:



VCD discs (MENU playback mode)



VCD discs (sequential playback mode)



Note: The above displayed information is related to the setting and content of the disc.

3D

Press 3D button repeatedly to toggle between 8 audio surround modes. You can choose your favourite audio surround mode according to the disc content and the surrounding of your audio-visual system.

SOUND

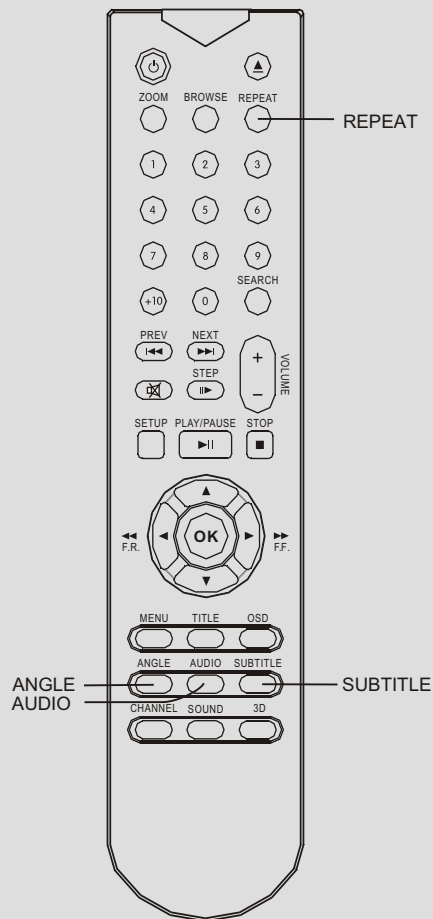
Press SOUND button repeatedly to toggle between 8 sound modes.

SEARCH

DVD discs

- Press SEARCH button to display the search menu on screen, the video picture is display above the menu, as illustrated.
- Use ▼ button to select the option item you want to change the setting, and press OK or ▶ button to access the sub-menu. Then use CURSOR or NUMBER buttons to enter the value and press OK to confirm.

BASIC OPERATION



3. Sub-menus include:

Title	01/02	Chapter	05/10
Audio	5.1CH English	Subtitle	English
Angle	1/1	TT time	00:54:51
CH time	00:14:25	Repeat	Chapter Title All Off
Time Disp.	Title Elapsed Title Remain Chapter Elapsed Chapter Remain		

01 is the desired title number and 02 is the total title number. 05 is the desired chapter number and 10 is the total chapter number. (The exact total number of title or chapter differs depending on the disc.)
Time format: HOUR:MINUTE:SECOND

4. Press SEARCH to go back to normal playback.

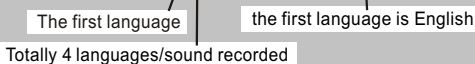
VCD discs

Use SEARCH button, similar to the operation of DVD discs.

SELECTING AN AUDIO LANGUAGE

Press AUDIO repeatedly to toggle between up to 8 audio languages or sound when the disc is recorded with multi-languages.

Example: AUDIO 1/4:AC-3 5.1CH ENGLISH



For DVD karaoke discs, press AUDIO to alternate between music and artist vocal. This function is only available for DVD and Super VCD discs.

SELECTING AN VIEWING ANGLE

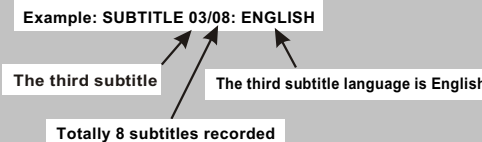
Press ANGLE repeatedly to toggle between up to 9 viewing angles when scenes recorded in the disc was shot with multiple cameras from different angles.



Note: this function is only available for some DVD discs.

SELECTING A SUBTITLE LANGUAGE

Press SUBTITLE repeatedly to toggle between up to 32 subtitle languages when the disc is recorded with multi-subtitles.



Note: This function is only available for DVD and Super VCD discs. Total number of subtitle differs depending on the disc.

REPEAT

Press REPEAT button to switch the repeat mode in below sequence:

DVD disc:



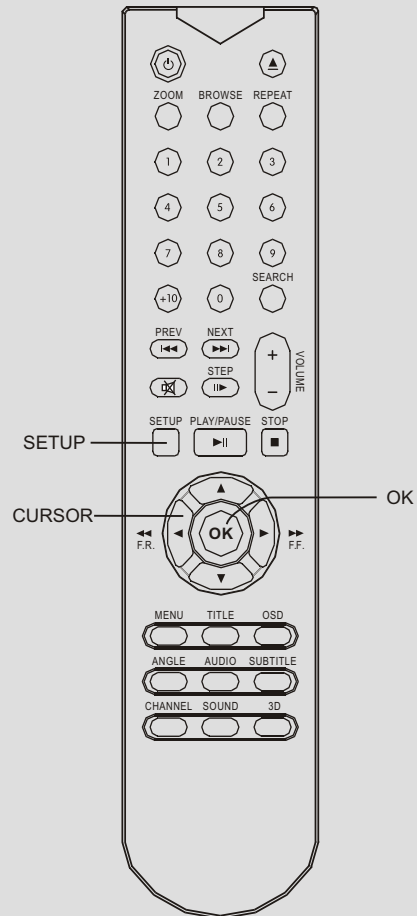
SVCD, VCD discs:



Notes:

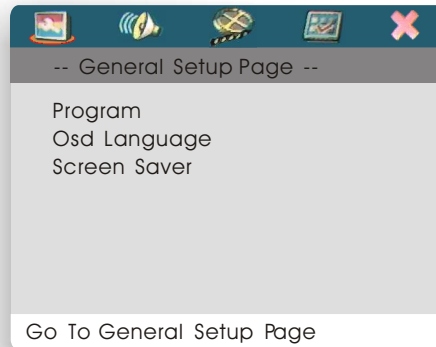
Repeat playback is only available in PBC OFF mode for VCD2.0 and Super VCD discs.

[SETUP MENU]



To achieve to the best effect of the DVD player, you may need to perform initial setting according to the content of the disc and peripheral equipment. Details of all the adjustable functions will be described later in this chapter, and this section introduce the SETUP MENU.

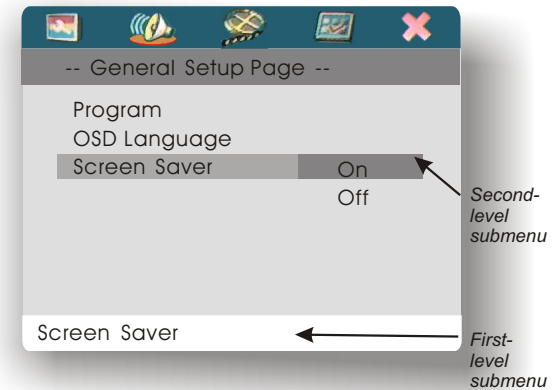
- Press SETUP button to access the initial setup menu.

Example: SETUP MENU MAIN PAGE

- Use CURSOR(▲ ▼) buttons to select the desired setup option.

When selected, the option item is highlighted and relevant description appears in bottom-left corner.

- Press OK button to access the selected submenu.

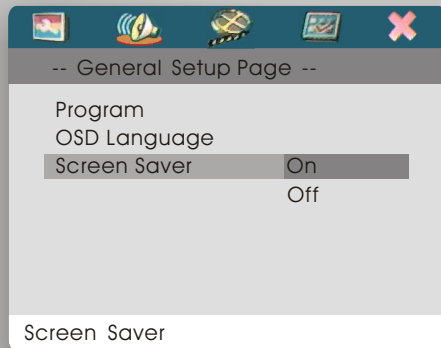
Example: General Setup Page

- Use button (▲) and (▼) to select the desired setup item on the submenu; and use (◀) and (▶) to toggle between first-level submenu and second-level submenu.

- Press OK button to save the new setting. Changed setting will be kept the next time you turn on the appliance.
- Press OK button again to remove the SETUP MENU.

[GENERAL SETUP]

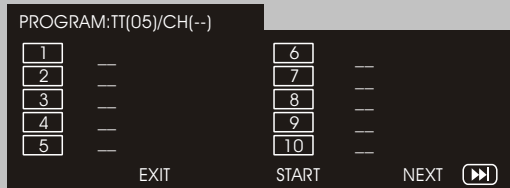
Use CURSOR(▲▼▶◀)buttons and OK button to make your selection for each option.



- Program
- OSD Language
- Screen Saver

■ Program

Select the "Program" item, the program playback screen displays.



- Use number buttons on the remote control to enter the title or chapter number you want to add into the program playback playlist. (TT is the title number, and CH is the chapter number.)
- The playlist has two pages. You can add as many as 20 units to the list, which enables you to arrange your favorite chapters or tracks in the playlist as you wish. Use cursor buttons to move the cursor onto the "NEXT" or "PREV" button, and press OK button to navigate between pages.
- After you have finished editing the playlist, use cursor buttons to move the cursor onto the "START" button, and press OK button to start program playback.
- To exit the program playback screen, use cursor buttons to move the cursor onto the "EXIT" button and press OK button to exit

■ OSD LANGUAGE

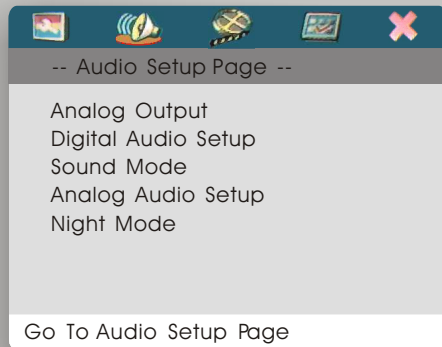
On-Screen Display Languages is POLAND and ENGLISH.

■ SCREEN SAVER

ON: When disc playback is stopped or paused or you have not used the player or its remote, and this idle status lasts for 5 minutes, the TV screen will be in automatic protection mode, in which a moving DVD logo appears on a dark screen.

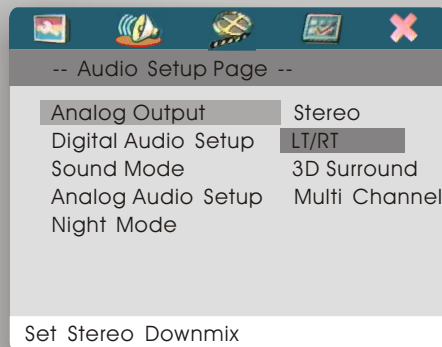
OFF: Turn off the automatic protection function.

[AUDIO SETUP]



- Analog Output
- Digital Audio Setup
- Sound Mode
- Analog Audio Setup
- Night Mode

Analog Output Page



- Analog Output
- Digital Audio Setup
- Sound Mode
- Analog Audio Setup
- Night Mode

■ Analog Output

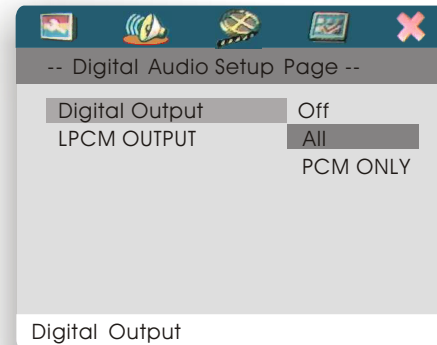
Stereo: This is a Dolby Stereo audio effect. Signals of multi-channel audio are mixed into the left and right channel, so sound from channels other than left and right can be heard.

LT/RT: Output mixed two-channel audio encoded with Dolby DOWNMIX method, which can be reverted back to multi-channel audio via an amplifier with Dolby Pro Logic decoder.

3D Surround: Using two speakers to simulate the surround sound effect of multi-channel audio.

Multi Channel: The player will output multi-channel audio. Select this when your player is connected to a multi-channel amplifier.

DIGITAL AUDIO SETUP PAGE



- digital Output
- LPCM OUTPUT

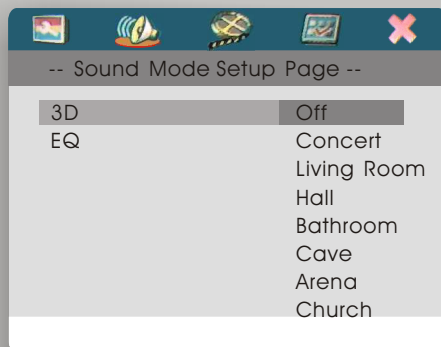
- Digital Output
 - SPDIF Off: output analog audio to TV or amplifier.
 - SPDIF/All: output the original digital audio.
 - SPDIF/PCM: convert the digital audio into PCM format to output

- LPCM OUTPUT
 - Set the digital audio sampling rate. There are two option items: 48K and 96K.

Note:

The configuration of LPCM OUTPUT item can not be changed unless the player is in "PCM ONLY" status..

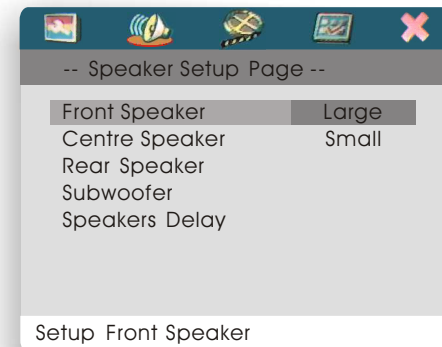
SOUND MODE SETUP PAGE



- 3D
 - There are eight options: Off , Concert, Living Room , Hall , Bathroom, Cave, Arena , Church. Make your preferred selection according to the disc content.

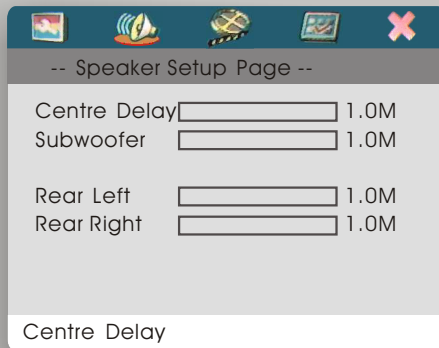
- EQ
 - There are eight options: Off , Rock, POP, Live, Dance, Techno, Classic and Soft. Make your preferred selection according to the disc content.

Speaker Setup Page

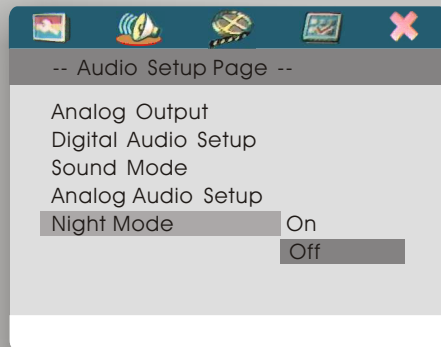


- Front Speaker
- Centre Speaker
- Rear Speaker
- Subwoofer
- Speakers Delay

- FRONT SPEAKER
 - Select LARGE or SMALL according to your speaker configuration.
- CENTER SPEAKER and REAR SPEAKER
 - Select LARGE or SMALL or OFF according to your speaker configuration.
- SUBWOOFER
 - Select ON or OFF according to your speaker configuration.
- Speakers Delay

Speakers Delay Page

- Centre
- Subwoofer
- Rear Left
- Rear Right

Night Mode Page

- Analog Output
- Digital Audio Setup
- Sound Mode
- Analog Audior setup
- Night Mode

■ Night Mode

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

[VIDEO SETUP]

VIDEO SETUP PAGE



- TV TYPE
- TV DISPLAY
- TV Mode
- Picture Setting
- Video Output




■ TV TYPE

There are three options: PAL, Multi and NTSC.

■ TV DISPLAY

- The width-to-height ratio of conventional TV is 4:3, while the one of wide screen TV is 16:9. This width-to-height ratio is called the aspect ratio. When viewing discs recorded in different aspect ratio, the image's width-to-height ratio can be switched to match the TV or monitor being used.

- There are three sub-items for item TV DISPLAY: NORMAL/PS, NORMAL/LB and WIDE. Select NORMAL/PS or NORMAL/LB according to your preference when using a conventional TV; select WIDE when using a wide screen TV.

DVD/Super VCD screen size format	Setting and Appearance
Viewing discs recorded in 16:9 aspect ratio on a standard 4:3 TV The Letter Box presentation places black bars at the top and bottom portions of the screen to provide the full wide screen presentation of a movie on a standard TV (4:3 aspect ratio)	 Set to NORMAL/LB
The Pan & Scan presentation crops both sides of the wide screen presentation to use the full standard TV screen.	 Set to NORMAL/PS
When viewing a wide screen format DVD or Super VCD on a standard TV and TV DISPLAY is set to WIDE, the picture may appear 'squeezed' on the screen. To remedy this condition, select either NORMAL/LB or NORMAL/PS.	 Set to WIDE

Note:

- Whether the aspect can be switched or not depends on the disc.
- Some discs may not include the screen format selected in the TV DISPLAY setting. In this case, the standard TV screen format available on the disc is automatically selected.

■ TV Mode

In the progressive scan mode, you can enjoy the high quality picture with less flickers. It only works when you have connected the DVD player's Y Pb Pr jacks to your TV that supports the progressive video input.

Otherwise, a distorted screen will appear on the

Off: To disable Progressive Scan function.

On: To enable Progressive Scan function.

■ Video Output

Select the corresponding video output mode according to what cables are used to connect the appliance to the TV set.

S-VIDEO: Use a S-VIDEO cable to connect the appliance to the TV set and the TV set is set to S-VIDEO.

YUV: Use component video cables(YPbPr) to connect the appliance to the TV set and the TV set is set to component video.

SCART: Use a SCART cable to connect the appliance to the TV set or a computer monitor and the TV set is set to SCART.

Picture Setting Setup Page



- Brightness
- Contrast
- Tint
- COLOUR

■ BRIGHTNESS

Adjust your preferred brightness according to disc content.

■ CONTRAST

Adjust your preferred contrast according to disc content.

■ TINT

Adjust your preferred tint according to disc content.

■ COLOUR

Adjust your preferred colour according to disc content.

[PREFERENCE SETUP]



- Audio
- Subtitle
- Disc Menu
- Parental
- PBC
- Password
- Default

■ AUDIO, SUBTITLE and DISC MENU

DVD discs may be recorded with multi-language audio, subtitle and menu. Setting your preferred audio, subtitle and menu language, the DVD disc will be played back in that language if it contains those information.

AUDIO:

English, Chinese, French, Spanish, Portuguese, Polish, Italian, Turkish, Greek, Norwegian, Finnish, German, Swedish, Danish, Dutch, Hungarian, Czech, and Others.

SUBTITLE:

Off, English, Chinese, French, Spanish, Portuguese, Polish, Italian, Turkish, Greek, Norwegian, Finnish, German, Swedish, Danish, Dutch, Hungarian, Czech, and Others.

DISC MENU:

English, Chinese, French, Spanish, Portuguese, Polish, Italian, Turkish, Greek, Norwegian, Finnish, German, Swedish, Danish, Dutch, Hungarian, Czech, and Others.

PARENTAL

There are eight options: 1 to 8. The smaller the number is, the stricter the parental lock level will be.

Note: this item is only available when PASSWORD MODE on PASSWORD SETUP PAGE is set to OFF.

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.

PASSWORD**CHANGE PASSWORD**

The default factory password is 136900. If you wish to to change the password, select the PASSWORD option in the Password Setup Page, then select CHANGE and press OK, the below menu will be displayed on screen:



Old Password

New Password

Confirm PWD

OK

DIVX SUBTITLE

You can set Divx Subtitle to standard or cyrillic.

DEFAULT:

Resume the factory default setting.

[MP3/PICTURE CD PLAYBACK]

Load a MP3 or Picture CD, the below MENU will appear on TV screen when data reading finishes (Figure 1). Use CURSOR button ▲ ▼ to move the highlight to select a folder, and press OK to open the folder (Figure 2).

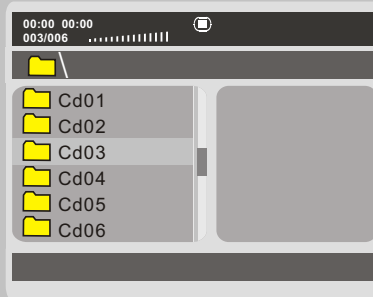


Figure 1

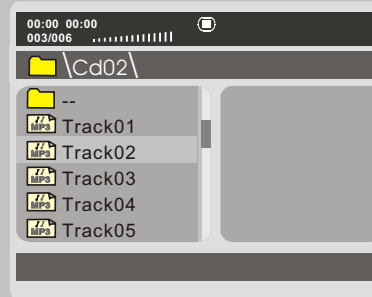


Figure 2

Folder MP3 file unknown and unplayable file format JPEG picture

MP3 PLAYBACK**MP3 CD PLAY MODE**

■ SINGLE

Play the selected track once.

■ REPEAT ONE

Repeat only the selected track inside the selected folder.

■ REPEAT FOLDER

Repeat all the tracks inside the selected folder.

■ FOLDER

Play tracks inside the selected folder sequentially.

■ SHUFFLE

Play tracks inside the selected folder randomly.

Note: During Mp3 playback, you can use PREV, NEXT and NUMBER buttons to select your desired track. You can also use FF and FR to search and buttons on the front panel to control the playback.

[JPEG PICTURE PLAYBACK]

Same as MP3 CD, JPEG picture play modes also include SINGLE, REPEAT ONE, REPEAT ALL, OFF and SHUFFLE.

Some MP3 CD and other discs also contain JPEG picture files, which can be viewed with the DVD player.

Basic operations for Picture CD playback include ZOOM, ROTATING and BROWSE.

■ ZOOM

While a picture being displayed, press ZOOM and "ZOOM 100%" will appear on screen, press ZOOM repeatedly to zoom in or zoom out the picture to 100%, 125%, 150%, 200%, 50% and 75% of the original size.

Notes: When a picture is enlarged, use CURSOR (▲▼▶◀) buttons to move the picture. While moving, in top-left corner of the screen will respectively appear PAN LEFT, PAN RIGHT, PAN UP, PAN DOWN, which will remain for about 3 seconds.

■ ROTATING

While a picture being displayed, press CURSOR(▲▼▶◀) buttons to rotate the picture.

LEFT and RIGHT buttons: each pressing rotate picture by 90, press four times to resume the original position.

UP button: each pressing flip the picture horizontally, press twice to resume the original position.

DOWN button: each pressing flip the picture vertically, press twice to resume the original position.

■ BROWSE

While a picture being played, press BROWSE button to access the browse screen. Use CURSOR buttons to select the preferred picture and press OK to play.







■ Kodak Picture CD playback:

Kodak Picture CD looks exactly the same as a common Compact Disk. It can be ordered in a Kodak color photograph shop with "Kodak Picture CD" logo when developing and printing 135mm color film or APS (Advanced Photograph System) film. The shop will develop and print your film and store all your photos in a compact disk. This Kodak Picture CD can be slide shown with the DVD player. Each picture will be adjusted pro rata to fit the TV screen. All pictures can be zoomed, rotated and changed slide-showing style as stated above.



Kodak Picture CD mark

[PLAYABLE DISC TYPES]

Playable discs types and marks	Diameter / Playable sides	Disc features and playback time
DVD video  	DVD video	Digital audio, digital video MPEG2, moving pictures + sound
	12cm single-sided 1 layer	135 min.
	12cm single-sided 2 layer	270 min.
	12cm double-sided 1 layer	270 min.
12cm double-sided 2 layer	540 min.	
DVD video	Digital audio, digital video MPEG2, moving pictures + sound	
8cm single-sided 1 layer	45 min.	
8cm single-sided 2 layer	70 min.	
8cm double-sided 1 layer	83 min.	
8cm double-sided 2 layer	152 min.	
Super VCD 	Super VCD	Digital audio, digital video, MPEG2 1/2,2/3, moving pictures + sound
12cm single-sided	40 min.	
8cm single-sided	10 min.	
VCD 	VCD	Digital audio, digital video, MPEG1, moving pictures + sound
12cm single-sided	74 min.	
8cm single-sided	20 min.	
CD 	CD	Compressed digital audio
12cm single-sided	74 min.	
8cm single-sided	20 min.	
MP3 	MP3 discs 12cm single-sided	Compressed digital audio Up to 170 songs, 12 hr.

Above disc type mark can be found on disc labels or disc jackets.
CD-R and CD-RW discs recorded in CD Audio or Video CD format, or with MP3 audio files, are also playable.

Caution!

- CD-R/RW discs recorded using a personal computer may not play if the disc is damaged or dirty, or if there is dirt or condensation on the player's lens.
- If you record a disc using a personal computer, there are cases in which it may not play because of the settings of the application software used to create the disc. (Check with the software publisher for more detailed information.)

[SPECIFICATIONS]

Environment:	working temperature : 0 ~ 40C working humidity : 10% ~ 80%
Video:	Color system : PAL/MULTI/NTSC DVD horizontal resolution : 500 line SVCD horizontal resolution : 350 line VCD horizontal resolution : 250 line
Audio:	Signal to noise : ≥ 90 dB Frequency response : 20 Hz ~ 20 KHz ± 1 dB Distortion and noise : ≤ -70 dB Dynamic range : > 80 dB Crosstalk : ≥ 80 dB
Output:	Video output level : 1.0 ± 0.2 Vp-p Audio basic output level : $1.8V_{\pm 0.2V}$ $\pm 1.0V$
Remote-control effective distance:	not less than 6m; angle : (horizontal/vertical) ± 30
Power requirement:	AC 100V-253V 50Hz/60Hz
Power consumption:	15W
Dimensions:	430mmx257mmx38mm
Weight:	approximately 2.5 kg

[TROUBLESHOOTING]

Problem	Possible cause	Solution
No power	AC Power socket is not plugged properly.	Connect the plug to the socket firmly and make sure the power outlet has power.
Playback is not possible	The disc is not compatible or seriously damaged.	Only use playable discs.
	The disc is loaded upside down.	Make sure the label side is facing up.
	The disc is above the Parental Lock Level.	Turn off the Parental Control.
	Condensation inside the player.	Turn on the player to warm up for about 30 min.
No picture	The video cable is not connected properly.	Connect the video cable properly.
	The player is in STANDBY mode.	Press STANDBY button again.
	The TV is not set up properly.	Set the TV input to AV, S-video, Component Video and SCART video.
Distorted picture or black-and-white picture	Output color system (NTSC/PAL) does not match the TV color system.	Press SETUP button to change the TV TYPE setting in Preference Page.
Picture quality is poor	The disc is not clean or scratched.	Clean the disc or replace the disc.
No sound	The audio cable is not connected properly.	Connect the audio cable properly.
	MUTE is on.	Press the MUTE button again.
Volume cannot be turned up	The initial volume of the TV or amplifier is set to too low.	Set the initial volume of the TV or amplifier higher.
Buttons on front panel or remote control do not work	Such operation is not supported by the current disc or the current setting of the player.	Change the setting or perform a proper operation according to this manual.
Remote control does not work	Batteries in the remote control are flat or inserted the wrong way round.	Replace the batteries or insert them correctly.
	Too far from the player, or the angle with the remote sensor is too wide.	Be sure to operate the remote control from a location within its operating range.
	Obstacles between the remote sensor and the remote control	Remove the obstacles.

[ACCESSORIES]

- Remote control -----1
- Audio / Video cable-----3
- AAA batteries-----2
- User's manual -----1