

SHARP®

DVD Video Player

MODEL

DV-740H

OPERATION MANUAL



Please read this Operation Manual carefully before using the DVD video player.

The region number for this DVD video player is 2.



NTSC/PAL

If you require any advice or assistance regarding your Sharp product, please visit our web-site www.sharp.co.uk/support. Customers without Internet access may telephone 08705 274277 during office hours (or (01) 6760648 if telephoning from Ireland).

This equipment complies with the requirements of Directives 89/336/EEC and 73/23/EEC as amended by 93/68/EEC.

Dieses Gerät entspricht den Anforderungen der EG-Richtlinien 89/336/EWG und 73/23/EWG mit Änderung 93/68/EWG.

Ce matériel répond aux exigences contenues dans les directives 89/336/CEE et 73/23/CEE modifiées par la directive 93/68/CEE.

Dit apparaat voldoet aan de eisen van de richtlijnen 89/336/EEG en 73/23/EEG, gewijzigd door 93/68/EEG.

Dette udstyr overholder kravene i direktiv nr. 89/336/EEC og 73/23/EEC med tillæg nr. 93/68/EEC.

Quest' apparecchio è conforme ai requisiti delle direttive 89/336/EEC e 73/23/EEC, come emendata dalla direttiva 93/68/EEC.

Η εγκατάσταση αυτή ανταποκρίνεται στις απαιτήσεις των οδηγιών της Ευρωπαϊκής Ένωσης 89/336/ΕΟΚ και 73/23/ΕΟΚ, όπως οι κανονισμοί αυτοί συμπληρώθηκαν από την οδηγία 93/68/ΕΟΚ.

Este equipamento obedece às exigências das directivas 89/336/CEE e 73/23/CEE, na sua versão corrigida pela directiva 93/68/CEE.

Este aparato satisface las exigencias de las Directivas 89/336/CEE y 73/23/CEE, modificadas por medio de la 93/68/CEE.

Denna utrustning uppfyller kraven enligt riktlinjerna 89/336/EEC och 73/23/EEC så som kompletteras av 93/68/EEC.

Dette produktet oppfyller betingelsene i direktivene 89/336/EEC og 73/23/EEC i endringen 93/68/EEC.

Tämä laite täyttää direktiivien 89/336/EEC ja 73/23/EEC vaatimukset, joita on muutettu direktiivillä 93/68/EEC.

SPECIAL NOTE FOR USERS IN THE U.K.

The mains lead of this product is fitted with a non-rewireable (moulded) plug incorporating a 1.6 A fuse. Should the fuse need to be replaced, a BSI or ASTA approved BS 1362 fuse marked  or  and of the same rating as above, which is also indicated on the pin face of the plug, must be used.

Always refit the fuse cover after replacing the fuse. Never use the plug without the fuse cover fitted.

In the unlikely event of the socket outlet in your home not being compatible with the plug supplied, cut-off the mains plug and fit an appropriate type.

DANGER: The fuse from the cut-off plug should be removed and the cut-off plug destroyed immediately and disposed of in a safe manner.

Under no circumstances should the cut-off plug be inserted elsewhere into a 13 A socket outlet, as a serious electric shock may occur.

To fit an appropriate plug to the mains lead, follow the instruction below:

IMPORTANT: The wires in the mains lead are coloured in accordance with the following code:

Blue: Neutral

Brown: Live

As the colours of the wires in the mains lead of this product may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:

? The wire which is coloured blue must be connected to the plug terminal which is marked N or coloured black.

? The wire which is coloured brown must be connected to the plug terminal which is marked L or coloured red.

Ensure that neither the brown nor the blue wire is connected to the earth terminal in your three-pin plug. Before replacing the plug cover make sure that:

? If the new fitted plug contains a fuse, its value is the same as that removed from the cut-off plug.

? The cord grip is clamped over the sheath of the mains lead and not simply over the lead wires.

IF YOU HAVE ANY DOUBT, CONSULT A QUALIFIED ELECTRICIAN.

SAFETY INFORMATION

Note:

This unit can be used only where the power supply is AC 220V-240V, 50/60Hz. It cannot be used elsewhere.

CAUTION:

USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.

AS THE LASER BEAM USED IN THIS PLAYER IS HARMFUL TO THE EYES, DO NOT ATTEMPT TO DISASSEMBLE THE CABINET. REFER SERVICING TO QUALIFIED PERSONNEL ONLY.

WARNING:

TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS EQUIPMENT TO RAIN OR MOISTURE.

TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, AND ANNOYING INTERFERENCE, USE THE RECOMMENDED ACCESSORIES ONLY.

Laser Diode Properties

Material: AlGaInP

**Wave length: DVD 650 ± 15 nm
CD 790 ± 20 nm**

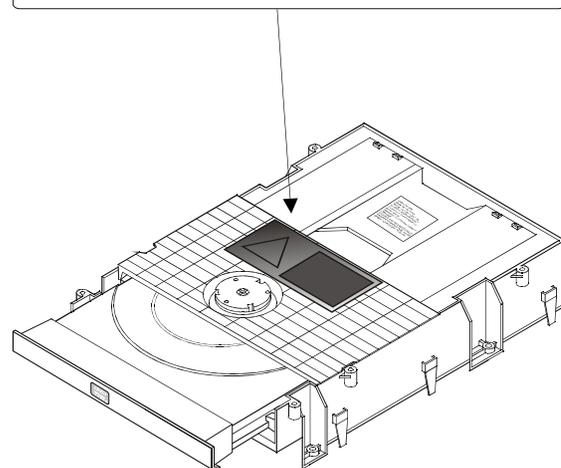
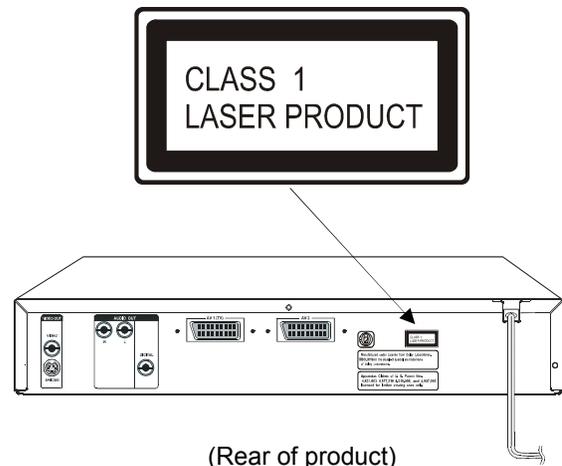
**Emission Duration: Continuous
Laser output: Max. 0.5 mW**

Power Lead Protection

To avoid any malfunctions of the unit, and to protect against electric shock, fire or personal injury, please observe the following,

- Hold the plug firmly when connecting or disconnecting the AC power lead.
- Keep the AC power lead away from heating appliances.
- Never put any heavy object on the AC power lead.
- Do not attempt to repair or reconstruct the AC power lead in any way.

- This player is classified as a CLASS 1 LASER product.
- The CLASS 1 LASER PRODUCT is located on the rear cover.
- This product contains a low power laser device. To ensure continued safety do not remove any cover or attempt to gain access to the inside of the product. Refer all servicing to qualified personnel.



SAFETY INFORMATION

Location and Handling

- Do not place your Player in enclosed space or do not cover it to prevent excessive temperatures inside the unit.
- Do not place the Player in direct sunlight, or near heat sources.
- Keep the Player away from magnetic fields, i.e. loudspeakers etc.
- Do not place any object containing water or other liquids on the Player. In the event that liquid should enter the cabinet, unplug the Player immediately and contact the retailer or service centre approved by SHARP immediately.
- Do not remove the Player cabinet. Touching parts inside the cabinet could result in electric shock and/or damage to the Player. For service and adjustment inside the cabinet, call a qualified dealer or service centre approved by SHARP.

Periods of no use

When the unit is not being used, switch the unit to the Standby mode.

When left unused for a long period of time, the unit should be unplugged from the household AC socket.

No Fingers or Other Objects Inside

Do not put any foreign object on the disc tray.

Stacking

Place the unit in a horizontal position, and do not place anything heavy on it.

Condensation

Moisture may form on the pickup lens in the following conditions:

- Immediately after a heater has been turned on.
- In a steamy or very humid room.
- When the unit is suddenly moved from a cold environment to a warm one.

If moisture forms inside this unit, it may not operate properly.

In this case, turn on the power and wait about one hour for the moisture to evaporate.

Cleaning

Unplug your Player before cleaning. Use a damp cloth for cleaning. Do not use cleaning fluids or aerosols which could enter the unit and cause damage, fire, or electrical shock. These substances may also deteriorate the finish of your Player.

If there is Noise Interference on the TV While a Broadcast is being Received

Depending on the reception condition of the TV, interference may appear on the TV monitor while you watch a TV broadcast and the unit is left on. This is not a malfunction of the unit or the TV. To watch a TV broadcast, turn off the unit.

Service

Do not attempt to service this Player yourself. Please refer any service to the nearest service centre approved by SHARP.

Copyright

Recording and playback of any material may require consent.

Please refer particularly to the provisions of the Copyright Act 1956, the Dramatic and Musical Performers Protection Act 1958, the Performers Protection Acts 1963 and 1972 and to any subsequent statutory enactments and orders.

Copy Protection

This DVD video player supports Macrovision copy protection.

On DVDs that include a copy protection code, if the contents of the DVD are copied using a VCR, the copy protection code prevents the videotape copy from playing normally.

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.

This product incorporates copyright protection technology that is protected by method claims of certain U.S. patents and other intellectual property rights owned by Macrovision Corporation and other rights owners. Use of this copyright protection technology must be authorized by Macrovision Corporation, and is intended for home and other limited viewing uses only unless otherwise authorized by Macrovision Corporation. Reverse engineering or disassembly is prohibited.

Recommended Measures for Optimum Picture Excellence

The unit is a precision device that is constructed using extremely accurate technology.

Soiling or friction affecting the pickup lens or disc drive can impair the image quality. In the worst case, neither video or audio will be played back. To obtain optimum picture quality, the Player should be checked (cleaning and replacement of some parts) every 1,000 hours. Note that this period varies depending on the environment (temperature, humidity, dust, etc.) in which the Player is used. Contact your authorized Sharp supplier for details.

Do not attempt to clean the pickup lens yourself.

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FEATURES

■ **Compatible With DVD, VCD, Audio CD, and MP3 Media Format.**

This DVD player can play a variety of disc media including DVD Video, Video CD, Audio CD, and MP3 media format.

■ **Two SCART Terminals**

This DVD player equipped with two SCART terminals to offer the ability to connect with VCR to TV. (Loop-Through Interface).

■ **2 Channel Analog Audio Output**

This DVD player offers one set of down mixed analog audio output.

■ **Virtual 3D Surround Sound**

This DVD player features the virtual 3D surround sound effect through standard analog outputs.

■ **Coaxial Digital Audio Outputs**

The DVD player features one coaxial digital audio output. User selectable SPDIF/RAW and SPDIF/PCM digital audio maximizes convenience when switching between DVD and Audio CD playback.

■ **Dolby® Digital, DTS®, and MPEG Digital Audio Output Support**

This DVD player can send Dolby® Digital, DTS®, and MPEG Digital audio data via its built-in digital audio output to an external Dolby® Digital or DTS® or MPEG Digital decoder.

■ **High Quality 96kHz/24bit Audio D/A Converter**

This DVD player features a 96KHz/24Bit D/A converter for superior audio reproduction of encoded discs.

■ **10-Bit 27Mhz D/A Video Converter**

This DVD player's 10-bit D/A converter is four times more accurate than conventional 8-bit converters. The result is artifact-free and crystal clear video image.

■ **Auto NTSC and PAL Video Disc Conversion**

This unit can play NTSC and PAL format discs. This DVD player can automatically convert either format to match your TV set. For example, if your TV set is a PAL system TV and you're playing a NTSC format disc, this DVD player will automatically convert the NTSC format signal to PAL format signal to play on your TV.

■ **Video Zoom Support**

The user selectable digital video zoom-out, zoom-in on a specific portion of a video image.

■ **Multi-Speed Fast Forward/Reverse Scan**

The digital fast forward/reverse scan function is capable of scanning with different speeds.

■ **Multi-Speed Slow Motion Forward / Reverse Scan**

This DVD player offers perfect slow motion scans.

■ **Volume Control of Analog Audio Output**

This DVD player can control the volume of analog audio output from remote control.

■ **Auto Power Shut Down Function**

This DVD player offers auto power shut down function. When the player is not in use for 20 minutes, the player will shut down automatically to save the power consumption and prolong the life of DVD player.

PACKAGE CONTENTS

Please verify that the following items are included within the DVD carton. If items are missing, please contact your retailer/supplier.

■ **DVD Player**

x1



■ **Remote Control Unit**

x1



■ **AAA Batteries**

x2



AAA (UM4) x 2

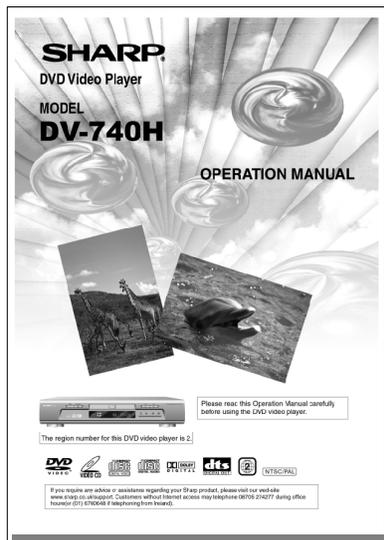
■ **SCART Cable**

x1



■ **Operation Manual**

x1



PRECAUTIONS

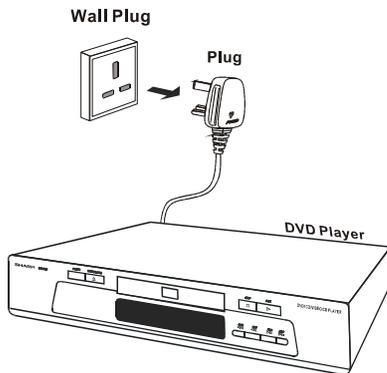
Please read the following carefully to get the best and safest performance from this DVD player

■ Power Supply

Make sure to use the correct power outlet as rated on the back of the DVD unit. (AC 220-240 V)

■ Power Cord

- Do not put any heavy objects on top of the power cord to avoid fires or electrical shocks caused by cord damage.
- Unplug the power cord if the unit will not be used for a long time.

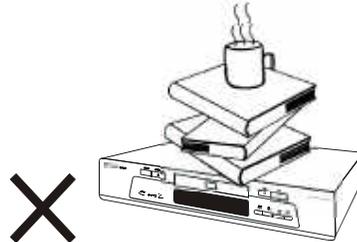


■ Unit Placement

- Do not place this unit in locations with:
 - ✓ Vibrations
 - ✓ High humidity
 - ✓ Poor ventilation
 - ✓ Direct sunlight
 - ✓ Extremely high or low temperatures
- This unit should be placed on a horizontal surface only.
- Keep this unit away from television sets, radios, computers and loudspeakers to avoid magnetic field interference.

■ Usage and Storage

- Do not remove the top cover to avoid possible electric shock from touching the inside of this unit.
- Do not place any heavy objects on top of this unit.



■ Condensation

- Condensation may result from moving the unit from a cold place to a hot place. Please turn the power on for 1 to 2 hours before using this unit if condensation occurs.



■ Unit Cleaning

- Clean the front panel and the body of the unit with a dry soft cloth. Other areas can be cleaned using a soft cloth moistened with a mild detergent. Do not clean with evaporative solutions to avoid possible damage to the unit.



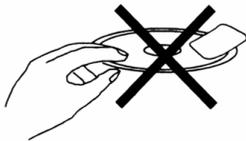
DISC CARE

■ Disc Usage

- ☞ Please hold all discs by their edges or the centre opening as shown below. Do not touch the shiny surface of the discs.



- ☞ Do not stick labels or tape on the discs, and do not scratch or damage the discs.

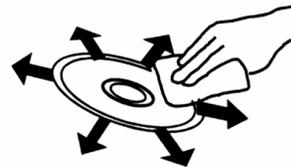


- ☞ The disc spins at a high speed during playback. Do not use damaged, cracked, or warped discs because they could damage the unit.



■ Disc Cleaning

- ☞ Fingerprints or dirt on disc surfaces can weaken the light reflected from the disc and directly influence the signal quality. The poorer the signal quality, the poorer the playback performance. Keep the disc clean by wiping it straight out from the centre with a dry soft cloth.



- ☞ If the disc is very dirty, wipe with a moist soft cloth, then follow with a dry soft cloth.
- ☞ Do not use record cleaning sprays, benzene, thinner, anti-static electricity liquids, or any other solvent. These may damage the disc surface.

■ Disc Storage

- ☞ Please keep the discs in their original cases to avoid bending the discs. Do not keep discs in locations with high temperature, high humidity, or direct sunshine. These conditions may also cause damage to the discs.
- ☞ Carefully read all instructions on the disc label.

DISC COMPATIBILITY CHART

This DVD player can play the following types of discs:

Disc Type	Dimension/Side/Layer	Max. Playback Time (Storage Capacity)
	DVD	MPEG2 TYPE
	12 cm (5") /single sided/single layer	133 min. (4.7 GB)
	12 cm (5") /single sided/double layer	242 min. (8.5 GB)
	12 cm (5") /double sided/single layer	266 min. (9.4 GB)
	12 cm (5") /double sided/double layer	484 min. (17 GB)
	8 cm (3") /single sided/single layer	41 min.
	8 cm (3") /single sided/double layer	75 min.
	8 cm (3") /double sided/single layer	82 min.
	8 cm (3") /double sided/double layer	150 min.
	Video CD	VCD
	12 cm (5")/single sided/single layer	74 min.
	8 cm (3")/single sided/single layer	20 min.
	Audio CD	CD
	12 cm (5")/single sided/single layer	74 min.
	8 cm (3")/single sided/single layer	20 min.

Notes:

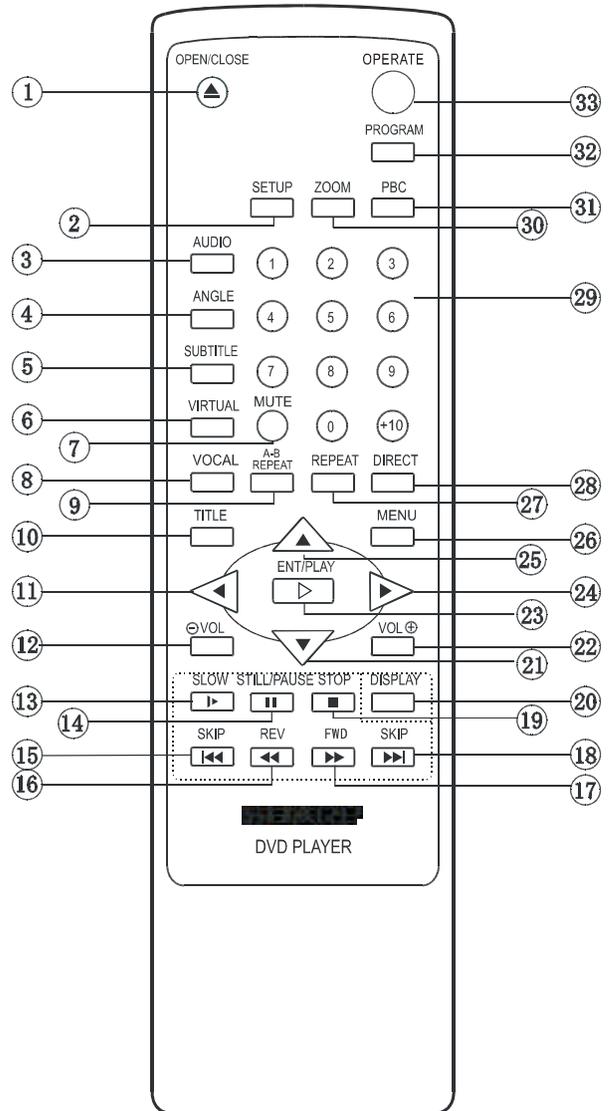
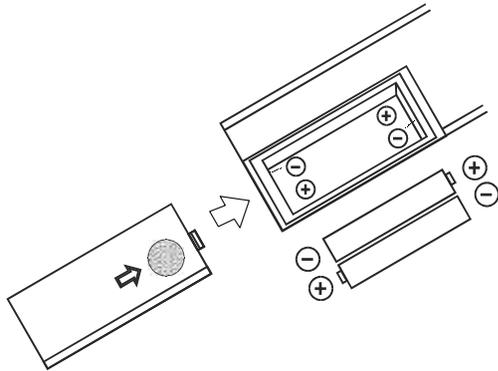
1. DVD and VCD Discs contain both video and audio and can support multiple audio tracks.
2. Audio CD: Discs have audio only.
3. Do not insert DVD-ROMs, CD-ROMs or Photo CDs in this DVD player.
4. This unit complies with VCD Version 1.1 and Version 2.0.
5. This unit is compatible with CD-R & CD-RW.

REMOTE CONTROL UNIT

To use the remote control unit to operate the DVD player, insert two batteries (size AAA) making sure that the + and – ends of the batteries are matched to the +/- marks printed inside the battery compartment. To use the remote controller, please point the remote control unit at the remote sensor on the DVD player.

Notes:

- ① Do not use different types of batteries together, or mix old and new batteries.
- ① When the remote control unit does not function correctly or its operation range reduces, please replace both batteries at the same time.
- ① If the remote control unit will be not used for a long time, please remove the batteries to avoid possible damage from battery leakage or corrosion.
- ① Keep the remote controller away from extremely hot or humid locations.
- ① Do not open the remote controller unit.

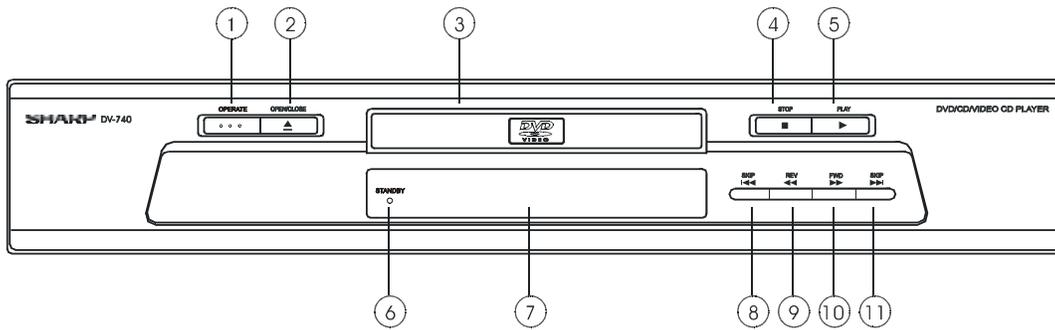


REMOTE CONTROL UNIT

1. **OPEN/CLOSE**
Opens or closes disc tray.
2. **SETUP**
Customizes DVD player settings. Refer to p.16.
3. **AUDIO**
During playback of a DVD disc with more than two audio languages, this button changes the audio language played. Refer to p.28.
4. **ANGLE**
If the DVD disc contains multiple view angles, this button will change the viewing angle displayed by the DVD player. Refer to p.27.
5. **SUBTITLE**
During playback of DVD discs with more than two subtitle languages, this button toggles between available subtitle languages. Refer to p.28.
6. **VIRTUAL**
To enable the virtual audio effect during playback. Refer to p.18 (Audio Effect Setup).
7. **MUTE**
To mute the sound of playback.
8. **VOCAL**
To switch the output audio in MONO LEFT, MONO RIGHT, and STEREO modes during DVD, VCD, and Audio CD playback.
9. **A-B REPEAT**
Displays A-B REPEAT playback. Refer to p.26.
10. **TITLE**
Enters the title menu for DVD discs. Refer to p.27
11. 
Used for navigation within a selection menu
12.  **VOL**
Reduce the volume of analog audio output.
13. **SLOW**
Engages slow-motion forward/reverse playback. Refer to p.24.
14. **STILL/PAUSE**
Still/Pause the playback and enters into step mode where the video can be advanced frame by frame. Refer to p.23.
15.  **SKIP**
Goes back to the previous chapter during play. Refer to p.23.
16.  **REV**
Fast reverse scan during playback. Refer to p.24.
17. **FWD** 
Fast forward scan during playback. Refer to p.24.
18. **SKIP** 
Skips to the next chapter during playback. Refer to p.23.
19. **STOP**
Stops playback. Refer to p.25.
20. **DISPLAY**
On-Screen display of the DVD player's operational status. Refer to p.22.
21. 
Used for navigation within a selection menu.
22.  **VOL**
Increase the volume of analog audio output.
23. **ENT/PLAY**
Confirms selection of an item in the menu or starts playing the disc.
24. 
Used for navigation within a selection menu.
25. 
Used for navigation within a selection menu.
26. **MENU**
Some DVDs have complex submenus. This button allows access to these submenus. Refer to p.27.
27. **REPEAT**
Shows repeat playback for one title, or all titles on the disc. Refer to p.26.
28. **DIRECT**
Enables search mode by title/chapter and time. Refer to p.28.
29. **Digits**
Used for direct selection of menu choices, audio tracks, and other inputs such as time and password
30. **ZOOM**
Enters the zoom mode during playback.
31. **PBC**
The button turns on/off the Playback Control (PBC) function during VCD playback. Refer to p.29.
32. **PROGRAM**
Displays program playback for VCD/Audio CD. Refer to p.26.
33. **OPERATE**
Turns on/off the DVD player unit.

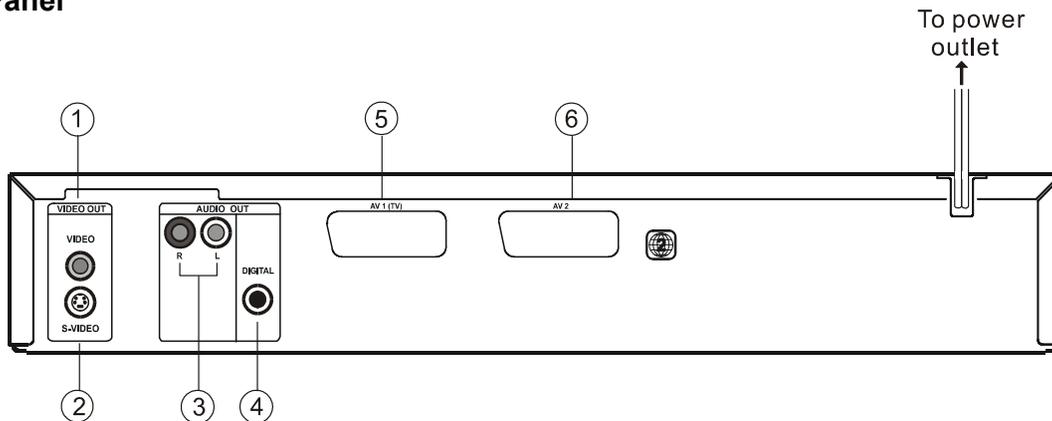
FRONT & REAR PANEL/DISPLAY WINDOW

■ Front Panel



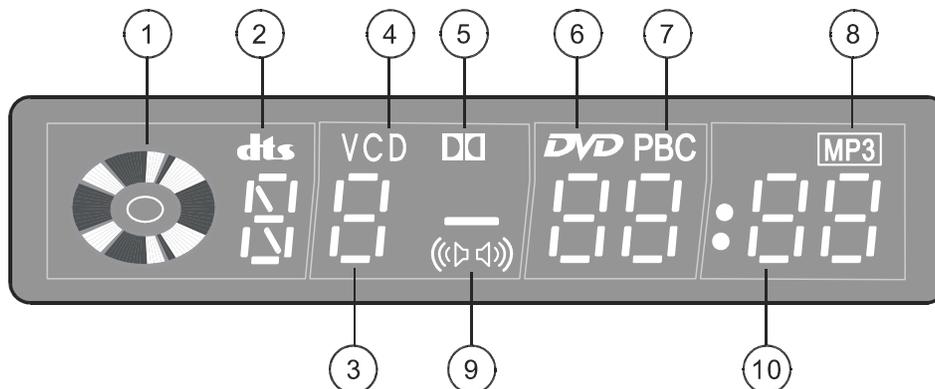
1. **OPERATE** Switch Button
Turns the unit's power on and off.
2. **OPEN/CLOSE** Button
Opens or closes the disc tray.
3. **Disc Tray**
To place DVD, VCD, Audio CD, and MP3 discs on.
4. **STOP** Button
Stops playback.
5. **PLAY** Button
Plays the inserted disc.
6. **STANDBY** Indicator
LED Indicator of Standby mode.
7. **Display Window**
Displays operation information.
8. **SKIP** Button
Goes to the previous chapter/track during playback with DVD/VCD/Audio CD. It functions as "Go to the previous page" in the PBC menu with VCD discs.
9. **REV** Button
Reverse scan.
10. **FWD** Button
Forward scan.
11. **SKIP** Button
Goes to the next chapter/track during playback with DVD/VCD/Audio CD. It functions as "Go to the next page" in the PBC menu with VCD discs.

■ Rear Panel



1. **Composite Video Output Jack**
2. **S-Video Output Jack**
3. **R/L Audio Output Jacks**
4. **Coaxial Digital Audio Output Jack**
5. **AV1 (TV) (SCART1)**
6. **AV2 (SCART2)**

■ Display Window



1. **Disc inside indicator**
2. **DTS® Digital Audio Indicator** (See Fig. 1 below)
Indicates the disc played contains DTS® Digital audio encoding.
3. **Title/Track Number Indicator**
Some DVDs contain multiple title pages. This indicator displays the title number currently in use or track number (Audio CD) currently playing.
4. **Audio CD/VCD Indicator** (See Fig. 2-3 below)
Identifies the inserted disc as Audio CD or Video CD.
5. **Dolby® Digital Audio Indicator** (See Fig. 4 below)
Indicates the played disc contains Dolby® Digital audio encoding data.
6. **DVD Indicator** (See Fig. 4 below)
Identifies the inserted disc as a DVD disc.
7. **PBC Indicator for VCD Disc** (See Fig. 5 below)
Playback Control indicator.
8. **MP3 Indicator** (See Fig. 6 below)
Identifies the inserted disc as a MP3 disc.
9. **Analog Audio Output Indicator**
Indicates the audio sound output from analog audio jacks.
10. **Elapsed Playback Time/Remaining Playback Time Indicator**
Displays elapsed playback time and playback remainder time.



Fig. 1



Fig. 2



Fig. 3



Fig. 4



Fig. 5



Fig. 6



DVD TITLE is being read.



The disc tray is open.



The disc tray is being closed.



The system is loading information from the disc.



No disc is loaded.



Bad disc or Wrong region disc is being loaded.

CONNECTIONS

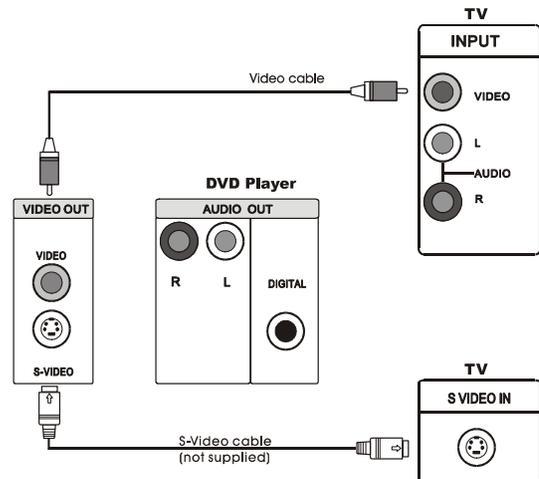
Video Output Terminals and Connections

Composite Video Output Terminal

Composite video output is the most commonly used video connection in use today and is supported by most televisions and A/V receivers. Composite video is set to display without user setup.

S-Video Output Terminal

You will want to use S-video output with televisions or monitors equipped with an S-video input whenever component video inputs are not available. To activate the S-video output, you must set the DVD player's "TV SETUP PAGE"/ "SCART OUT" setting to S-VIDEO (Refer to p.16).

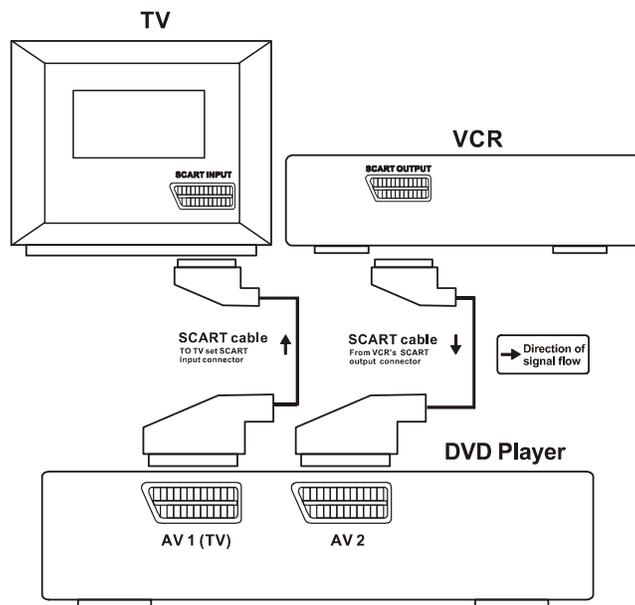


NOTE:

① S-video cable is not included with this player.

SCART Terminal

The SCART terminal can be connected to the TV set equipped with SCART connectors. The audio transmitted on the SCART is stereo sound. Whenever the SCART terminal is used, you must set the DVD player's "TV SETUP PAGE"/ "SCART OUT" setting to "RGB" (Refer to p.16).



NOTE:

① For selected TVs, when the TV set is at standby mode, power on the DVD player will automatically power on the TV and switch to the SCART video input channel.

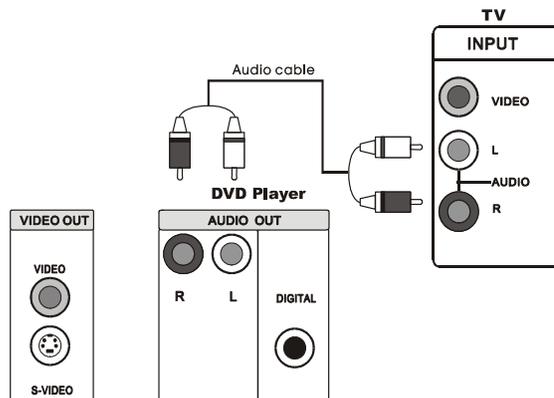
WARNING:

1. S-Video and SCART/RGB video cannot output signals simultaneously.
2. When DVD player is in POWER OFF status, the LOOP THROUGH function does not work with RGB mode.

■ Audio Output Terminals and Connections

● Down-Mixed Audio Output Terminals (L/R)

Use down-mixed (stereo) audio output terminals for connection with your television or other non-Dolby® Digital A/V receivers or amplifiers. These terminals provide down-mixed Dolby® Digital audio signals for standard 2-channel playback.

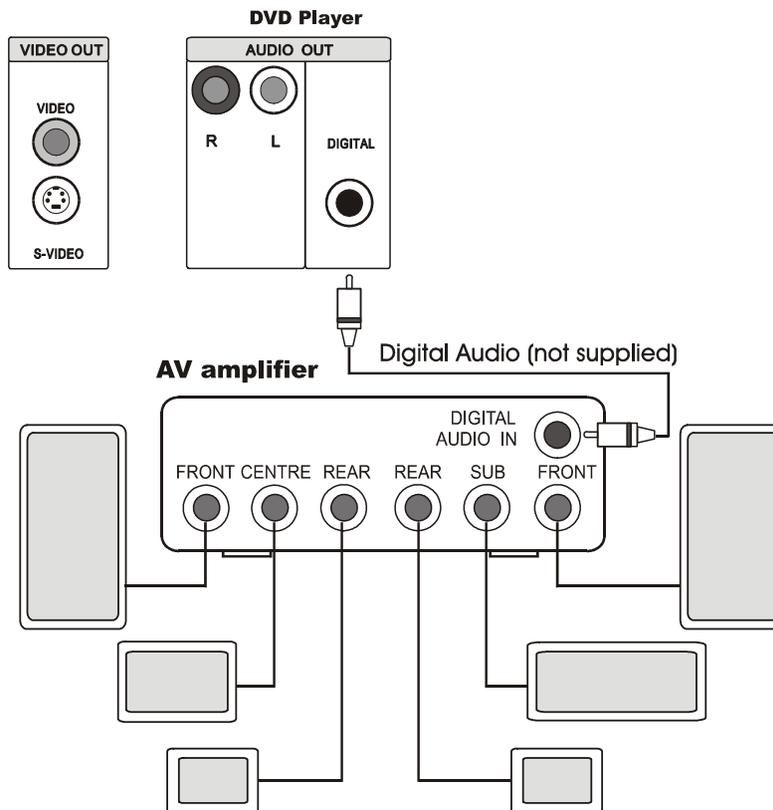


● Coaxial Digital Audio Output Terminals

Use digital audio outputs for connection with an external Dolby® Digital or DTS® decoder. To use the coaxial output, you will need to purchase a coaxial cable.

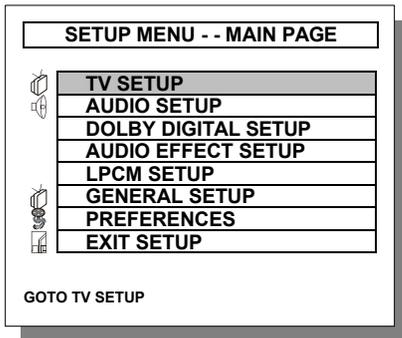
Note:

- ① Digital cable is not included with this player.



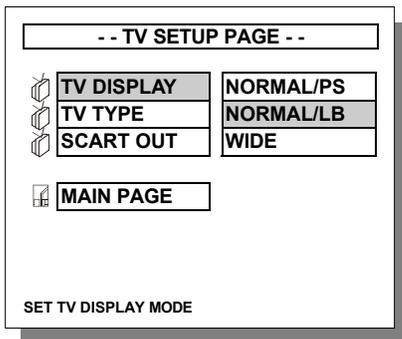
INITIAL SETTING

Press the **SETUP** button on the remote controller to set up the initial setting. The On-Screen Display (OSD) will display below:



TV SETUP

There are three available items: They are TV DISPLAY, TV TYPE, and SCART OUT.



TV DISPLAY

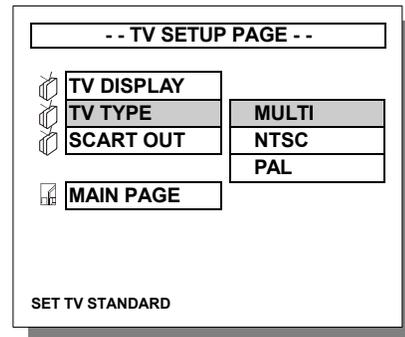
- ☞ NORMAL/PS
4:3 Pan & Scan video output for a normal TV set
- ☞ NORMAL/LB
4:3 Letterbox video output for a normal TV set
- ☞ WIDE
16:9 Wide Screen video output for a wide screen TV set

NOTES:

- ① Aspect ratios available for playback will be printed on the DVD rear packaging.
- ① Some DVDs are recorded in the Cinema Wide format (16:9 aspect ratio), and some are recorded in the standard format (4:3 aspect ratio). Some DVD discs are recorded in both formats and may have the Pan Scan feature available. The Pan Scan feature if available will fill the entire screen in 4:3 TV screen. However, it will cut some of the picture off at the two sides.

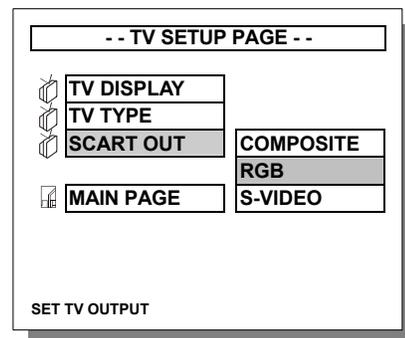
TV TYPE

- ☞ MULTI
The DVD player will choose the correct system to display the playback of inserted disc.
- ☞ NTSC
The DVD player will output in NTSC format regardless of what format the disc was designed for.
- ☞ PAL
The DVD player will output in PAL format regardless of what format the disc was designed for.



SCART OUT

The SCART OUT terminal has three kinds of output ways; they are COMPOSITE, RGB, and S-VIDEO. If you are using S-video output, please set this setting to "S-VIDEO". If you are using SCART output, you can choose one of these three kinds output ways, which matches with your TV's SCART input.



NOTES:

- ① SCART video output and S-Video output cannot be used simultaneously.
- ① The changes of TV output can be made with the disc tray opened status. Press the **DISPLAY** button on the remote control and the TV output will be changing in turn as COMPOSITE ↔ RGB ↔ S-VIDEO

■ AUDIO SETUP

There are two available items: They are AUDIO OUT and DOWN MIX.

● AUDIO OUT

You can choose to send the player's audio signals to an external receiver using the following outputs:

☞ ANALOG:

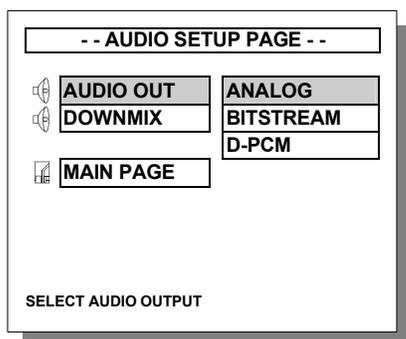
Audio signals are sent using stereo (L/R) audio terminals. Selecting this choice will disable the digital audio outputs.

☞ BITSTREAM:

Set to this selection will output the raw bit stream signal of Dolby® Digital or DTS from the coaxial jack. In order to enjoy Dolby® Digital DTS discs, this unit's digital output jack must be connected to the digital-input jack of a Dolby® Digital or DTS compatible receiver or processor.

☞ D-PCM:

PCM stands for Pulse Code Modulation and is digital audio. Connecting this unit to an amplifier with a built-in D/A converter can play the same digital audio format as on CDs. Additionally, 2-channel analog audio will output from the audio output jacks of amplifier.



NOTES:

- ① Analog and digital audio signals cannot output simultaneously.
- ① Do not play the Dolby® Digital or DTS® or MPEG audio sound tracks on an audio component without having a built-in Dolby® Digital or DTS or MPEG audio decoder. Otherwise, when you play the Dolby® Digital or DTS or MPEG audio sound track, a loud noise will come out from the speakers, affecting your ears or causing the speakers to be damaged.
- ① This player has a conversion function for converting Dolby® Digital and MPEG audio into the LPCM format. This allows playback of CDs with the regular playback system without the need for a special converter.

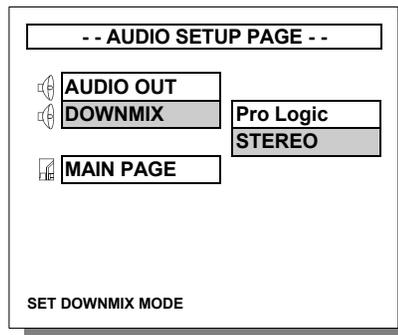
● DOWN MIX

☞ Pro Logic

Please connect to a built-in Dolby Pro Logic receiver or amplifier to enjoy the Dolby Pro Logic surround sound.

☞ STEREO

Down mixed Stereo L/R audio output.

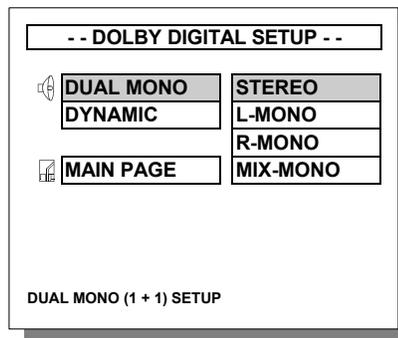


■ DOLBY DIGITAL SETUP

There are two available items: They are DUAL MONO and DYNAMIC.

● DUAL MONO

There are four available modes: STEREO, L-MONO, R-MONO, and MIX-MONO.

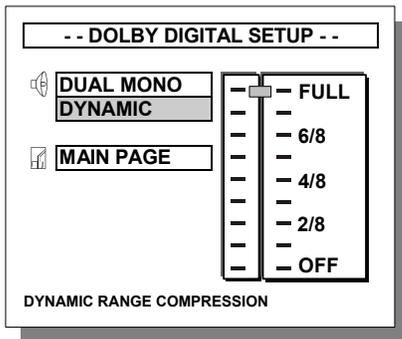


Audio output description

MODE	LEFT SPEAKER	RIGHT SPEAKER
STEREO	STEREO -L	STEREO -R
L-MONO	L-MONO	L-MONO
R-MONO	R-MONO	R-MONO
MIX-MONO	L-MONO+R-MONO	L-MONO+R-MONO

● **DYNAMIC**

“Dynamic Range” is the difference between the maximum level and the minimum level of sounds. Sounds on a movie originally designed for movie theaters feature a very wide dynamic range, so sometimes it is not suitable for home use. Depending on the condition of your listening environment, Dynamic Range function can reduce the instant sound effect alteration of the movie while playing back. When seeing movies in the night, turn this function on to avoid the suddenly loud sound to influence your neighbors. (Default value is FULL, no compression to be done.)



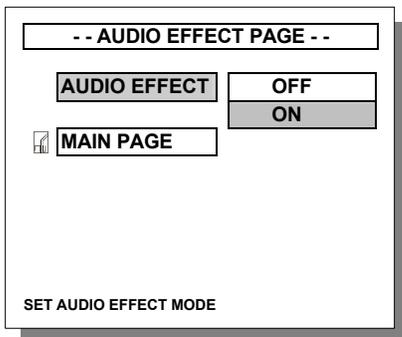
NOTES:

- ① This function works only during playback of Dolby® Digital recorded discs.
- ① The level of Dynamic Range Reduction may differ depending on the DVD discs.

■ **AUDIO EFFECT SETUP**

● **AUDIO EFFECT**

This player offers the audio effect function. This function is available when setting to “ON” position and then press the **VIRTUAL** button on the remote control to open this function during playing back. There are four steps of effect level.



■ **LINEAR PCM SETUP**

This option sets the audio output format sent using the unit’s coaxial digital audio output.

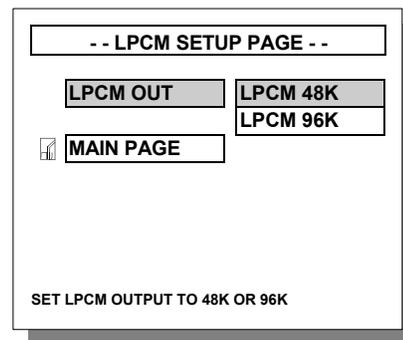
● **Linear PCM OUT**

☞ LPCM 48K

In the Linear PCM setting, “48K” means “the digital audio output maximum sampling rate is 48KHz”; therefore, when the title’s encoding sampling rate* is 96KHz, the output will be forced converted to 48KHz.

☞ LPCM 96K

If “96K” is selected, then the maximum output sampling rate is 96KHz and no conversion will take place.



DISC CODING AND OUTPUT FORMAT

Disc	Audio encoding format	Digital output format
DVD	Dolby® Digital	Dolby® Digital Bit stream (1~5.1 ch) or 48kHz/16bits 2ch Linear PCM
	DTS®	Bit stream (1~5.1 ch) or OFF
	Linear PCM (48/96kHz, 24bits)	Linear PCM (48KHz/16 bits up to 96kHz/24bits)
	MPEG	PCM (2ch) (48KHz/16 bit) or MPEG audio bit stream (1-7.1 ch)
Video CD	MPEG I	Linear PCM (44.1KHz sampling)
Audio CD	Linear PCM	Linear PCM (44.1kHz/16bit)

NOTES:

- ① Sampling rate:
When a sound wave is converted to a digital signal, the sound is sampled and converted to data at a specific frequency rate. For example, a signal with a 96 kHz sampling rate indicates that in one second, the analog signal was sampled 96000 times to produce the digital signal.
- ① In LPCM set-up menu, there will be a case that even when “LPCM 96K” is selected, output signal is converted to 48KHz if the disc has the copy guard management system in it.

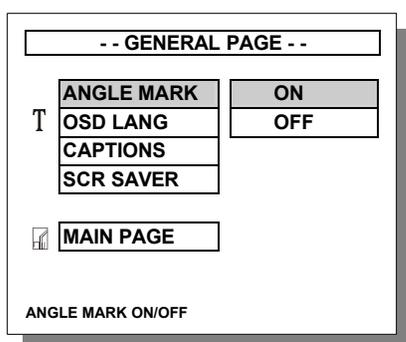
■ GENERAL SETUP

There are four available selections: ANGLE MARK, OSD LANG, CAPTIONS, and SCR SAVER.

● ANGLE MARK

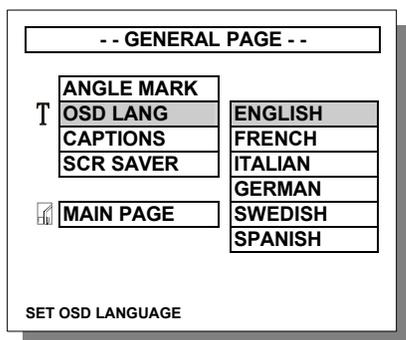
During playback of a title with multiple angle sections, the message "  " will appear on the upper corner of the screen.

- ☞ When ANGLE MARK is set to "ON", the angle mark OSD will stay on the screen until the end of the playback title or chapter.
- ☞ When ANGLE MARK is set to "OFF", the angle mark OSD will stay on the screen for 3 sec and then disappear.



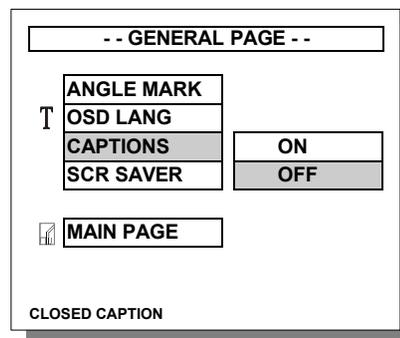
● OSD LANGUAGE

You can select the language for the setup menu or the operation message display. There are six available OSD languages: ENGLISH, FRENCH, SPANISH, ITALIAN, SWEDISH and GERMAN for display.



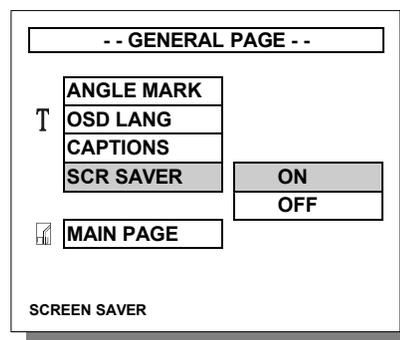
● CAPTIONS

Closed Caption (CC) is a standardized method of encoding text into an NTSC television signal. A TV can display the text with a built-in decoder. Closed Caption can be carried on DVD. If a DVD title contains a **CC** mark on the rear of the box, then you can set Captions to "ON" and read written captions on the TV screen. Default is set to "OFF".



● SCREEN SAVER

When this DVD player is idle (after about 5 minutes of inactivity), the screen saver can be activated to prolong the TV monitor's life.



NOTES:

- ① Caution: The DVD player can hold a still video image or OSD image on your television screen indefinitely. If you leave the still video image or OSD image displayed on your TV for a very long time. It may cause the permanent damage to your TV screen.

■ PREFERENCES

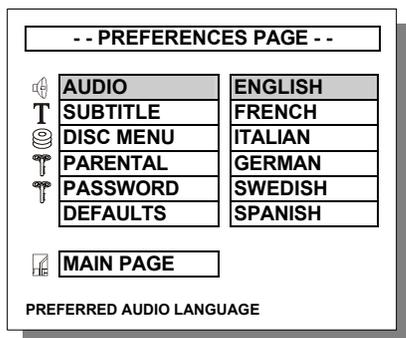
Preferences allow you to set the default AUDIO, SUBTITLE, DISC MENU, PARENTAL, PASSWORD, and factory DEFAULTS of this player. This setting is only available when the DVD player is in the STOP mode by pressing the **STOP** button twice.

NOTES

- ① Pressing the **STOP** button once only pause the playback. You must press the **STOP** button **TWICE** to stop the playback.

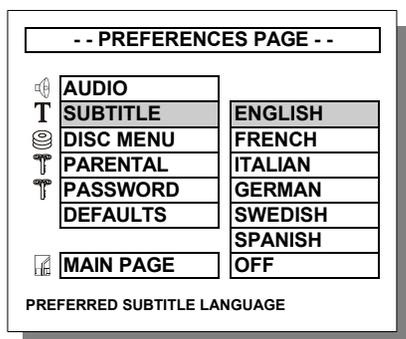
● AUDIO

This unit supports six audio selections, as shown below, for your preferred audio setting.



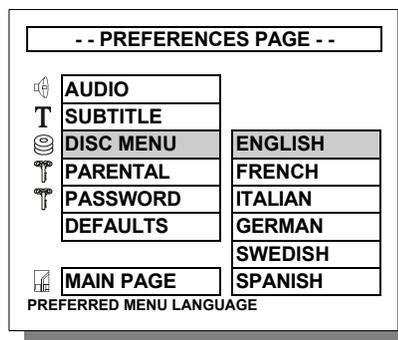
● SUBTITLE

This unit supports six subtitle selections, as shown below, for your preferred default subtitle setting. When "OFF" is selected, there will be no subtitle is displayed during playback.



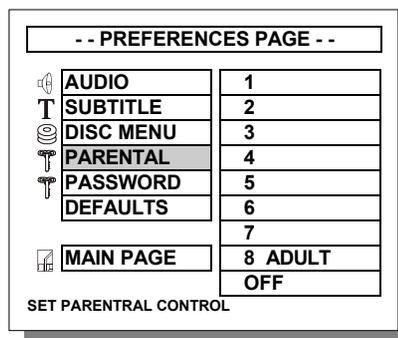
● DISC MENU

This unit supports six DISC MENU languages.

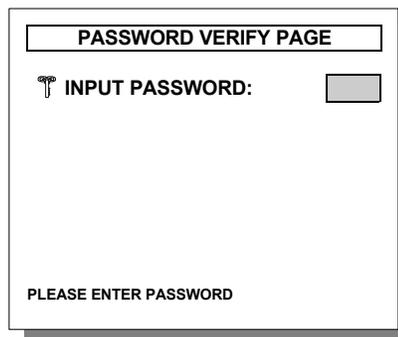


● PARENTAL

Functions to limit the playback of some discs that contain mature scenes. The limitation varies from disc to disc; when it is activated, playback is completely prohibited. There are eight levels of parental setting of this unit.



When you want to change the parental rating level, you will be asked to enter a password.

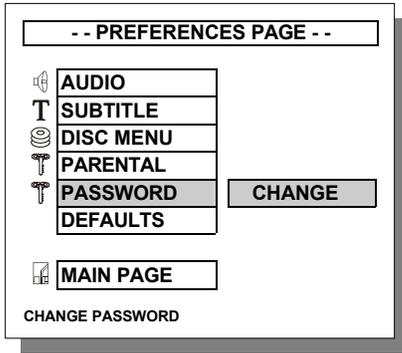


NOTES:

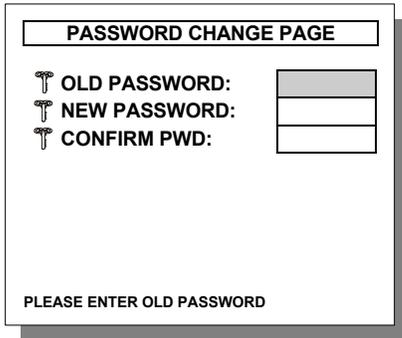
- ① Use "3308" to override the forgotten password and re-enter a new password.

- **PASSWORD**

The password is a 4-digit number. When you want to change the password, select “CHANGE” as shown below.



You will be asked to enter the old password, then enter the new password, and confirm it.

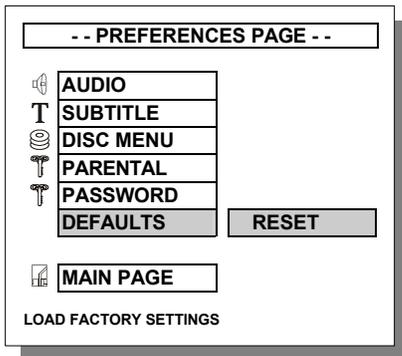


NOTES:

① The default password number is "3308".

- **DEFAULTS**

When you select “RESET”, all the initial settings will be restored to the default setting.



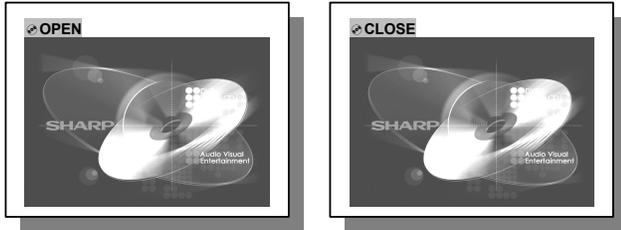
ON-SCREEN DISPLAY (OSD)

■ DVD OSD Modes

There are two OSD display modes available when playing a DVD disc.

● Mode 1

Shows the status of the pressed button and some special messages are displayed on the screen. For example, when the **OPEN/CLOSE** button is pressed, the OSD shows:



● Mode 2

Shows the playback information of a movie or title.

☞ When pressing the **DISPLAY** button on R/C, the information OSD will display on the screen in the sequence as shown below:

1st time



2nd time



3rd time



4th time



☞ When pressing the **DISPLAY** button on the remote control again, it will turn off the OSD.

■ Audio CD/VCD OSD Modes

There are two OSD display modes available when playing a VCD, and Audio CD disc.

● Mode 1

Shows the status of the pressed button and some special messages are displayed on the screen as previous description.

● Mode 2

Shows the playback time information of a disc.

PBC ON (VCD 2.0 above only):

☞ When pressing the **DISPLAY** button on R/C, the information OSD will display on the screen in the sequence as shown below:

1. SINGLE ELAPSED



2. SINGLE REMAIN



PBC OFF or Audio CD playback:

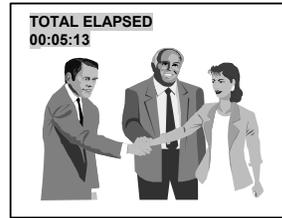
1. SINGLE ELAPSED



2. SINGLE REMAIN



3. TOTAL ELAPSED



4. TOTAL REMAIN



☞ When pressing the **DISPLAY** button on the remote control again, it will turn off the OSD.

BASIC OPERATION OF PLAYBACK

Preparation:

- ☞ If a television set is used, turn on its power and select the appropriate input AV, S-Video or SCART. If the SCART connection is used then the TV will switch to the correct input when the DVD player is turned on.
- ☞ If a sound system is used, turn on the amplifier first and make sure its outputs are set properly.

■ START Playback

1. Press the **OPERATE** button to turn on the DVD player.
2. Press the **OPEN/CLOSE** button to open the disc tray.
3. Place a disc onto the tray and make sure that it is placed squarely on the tray.
4. Press the **OPEN/CLOSE** or **ENT/PLAY** button to play the disc.

NOTES:

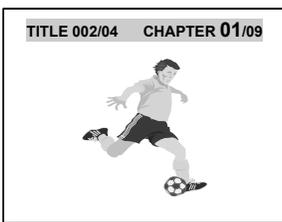
- ① When using a DVD disc, some menu selections and some DVD playback functions are available during playback.
- ① When using a VCD disc with PBC, the PBC menu will be displayed on the screen. You can use the PBC menu, or press the PBC button to set PBC off and the disc will play immediately.
- ① For a VCD disc without PBC or an Audio CD, the disc will be played immediately.

■ SKIP Playback

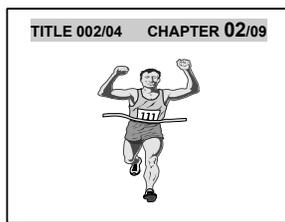
● DVD Playback

- ☞ Press the **SKIP>>** button to skip to the next chapter.

Before press **SKIP>>** button



After press **SKIP>>** button

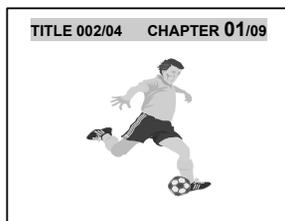


- ☞ Press the **<<SKIP** button to skip to the beginning of the current chapter or previous chapter.

Before press **<<SKIP** button



After press **<<SKIP** button



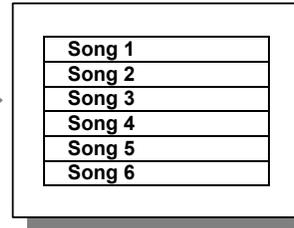
● VCD/Audio CD Playback

- ☞ PBC ON (VCD 2.0 above only):
Press the **SKIP>>** or **<<SKIP** button will go back to the PBC menu.

PLAYING

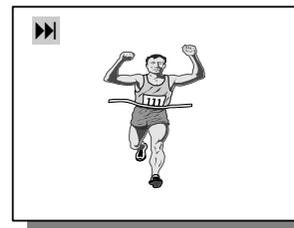


VCD PBC MENU



Note:

- ① There will be a case that playback stops when **SKIP>>** or **<<SKIP** is pressed.
- ☞ PBC OFF or Audio CD
Press the **SKIP>>** or **<<SKIP** button will skip to the next or previous track of VCD or Audio CD.



Note:

- ① PBC: Play Back Control. See page 29.
This function is only available for Video-CD version 2.0 or higher.
The PBC operation may differ by disc, therefore, refer to the instructions for each disc.

■ STILL/PAUSE Playback

Step playback is available while playing discs other than Audio CD. It provides a frame-by-frame still picture image.

- ☞ Press the **STILL/PAUSE** button to freeze the image.
Press the **STILL/PAUSE** button again to skip to the next frame, and so on.
- ☞ Press the **ENT/PLAY** button to return to normal play.

Frame 1



Frame 2

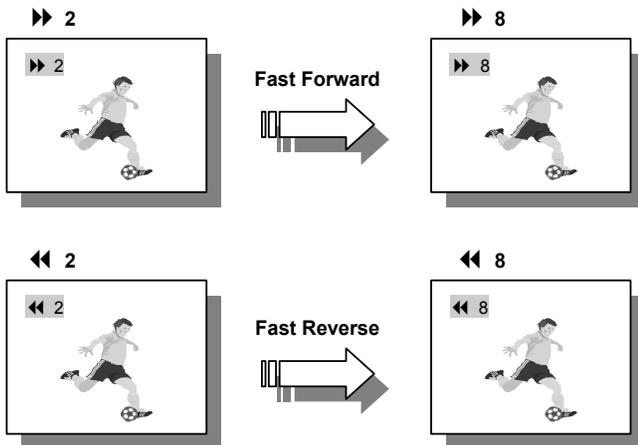


■ FAST FORWARD/REVERSE SCAN

Using the **FWD** and **REV** buttons to fast forward and reverse scan.

● DVD Playback

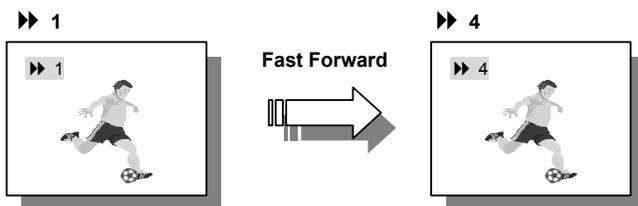
When the **FWD** or **REV** button is pressed, the speed of playback changes in cycles of 2→ 4→ 6→ 8→ Play→ 2



When the **ENT/PLAY** button is pressed during fast forward/reverse scan, normal playback will be resumed.

● VCD/Audio CD Playback

When the **FWD** or **REV** button is pressed, the speed of playback changes in cycles of 1→ 2→ 3→ 4→ Play→ 1.



When the **ENT/PLAY** button is pressed during fast forward/reverse scan, normal playback will be resumed.

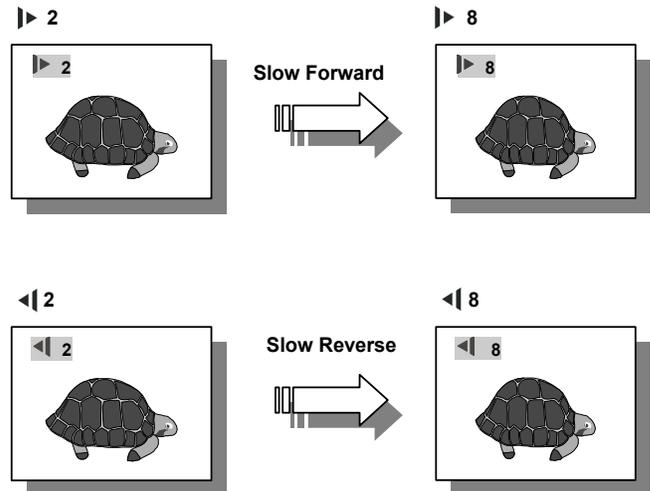
NOTES:

- ① It is normal that video image may seem discontinuous during fast forward/reverse scan.
- ① When the fast forward scan reaches the end of a track (Audio CD/VCD) or a title (DVD), normal playback of the next track/title will be resumed.
- ① When the fast reverse scan reaches the beginning of a track (Audio CD/VCD) or a title (DVD), the normal playback of the track/title will be resumed.

■ SLOW-MOTION Playback

● DVD Playback

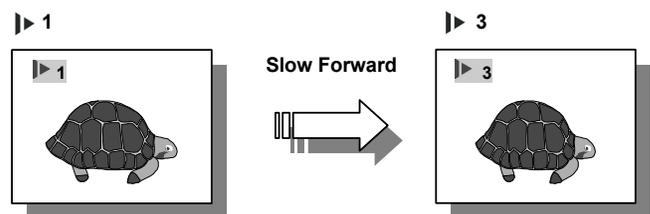
When the **SLOW** button is pressed, the speed of playback changes in cycles of slow forward ▶ 2→ ▶ 4→ ▶ 8 and then slow reverse ◀ 2→ ◀ 4→ ◀ 8.



When the **ENT/PLAY** button is pressed during slow forward/reverse scan, normal playback will be resumed.

● VCD Playback

When the **SLOW** button is pressed, the speed of playback changes in cycles of slow forward ▶ 1→ ▶ 2→ ▶ 3 → PLAY→ ▶ 1.



When the **ENT/PLAY** button is pressed during slow forward/reverse scan, normal playback will be resumed.

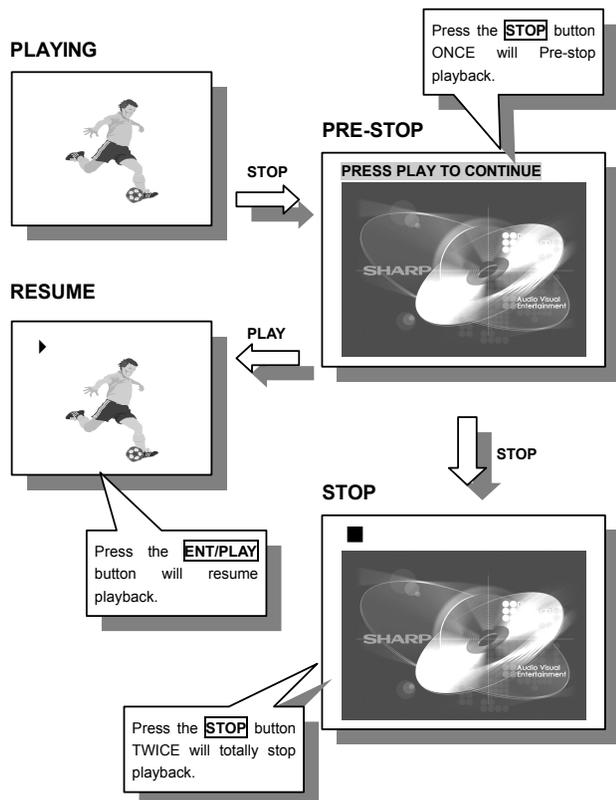
NOTES:

- ① During slow-motion play, you will not be able to hear the audio portion of the track.

■ STOP Playback

● DVD Playback

Pressing the **STOP** button once pre-stops (pauses) playback. You must press the **STOP** button twice to totally stop the playback.



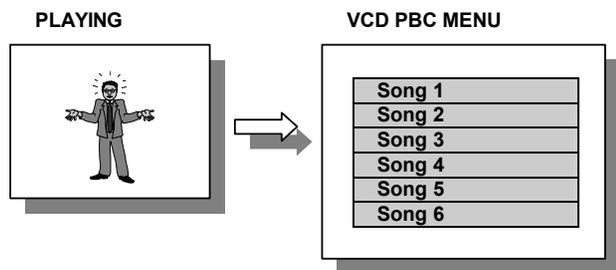
NOTES

- ① When the unit is not in use, please remove the disc and press the **OPERATE** button to turn off DVD player.

● VCD/Audio CD Playback

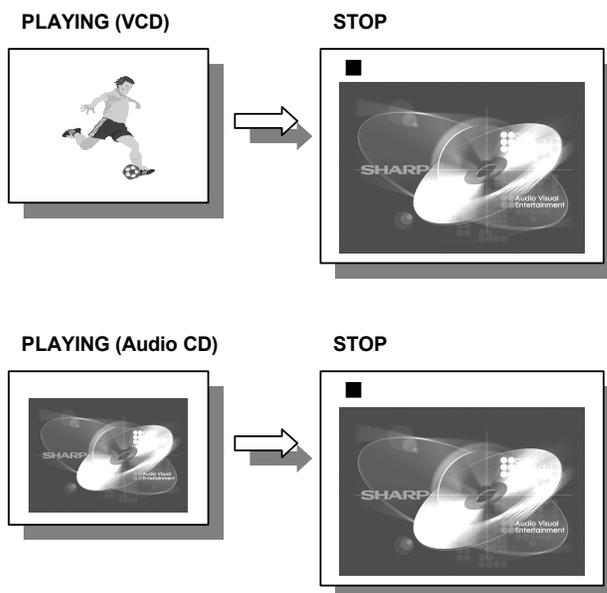
☞ PBC ON (VCD 2.0 above only):

Press **STOP** button will go back to PBC Menu.



Note:

- ① Some function keys will be differed from its original definition even cease to function in some discs. The main cause is those specific discs were already contained its operation function in process of manufacturing. In this case, to operate the function key, please follow on-screen indication for operation. The particular feature only exists in those specific discs; it will not further affect DVD player's normal operation.
- ① When PBC mode is ON, even when STOP button is pressed some discs will not go back to PBC Menu and "Ⓢ" is shown on the screen.
- ☞ PBC OFF or Audio CD
Press **STOP** button will stop playback during PBC off or Audio CD playback..



ADVANCED OPERATION OF PLAYBACK

■ REPEATED Playback

● TITLE/CHAPTER Repeat

When the **REPEAT** button is pressed, the repeated playback is triggered and the OSD message is changed in cycles of “CHAPTER REPEAT ON”, “TITLE REPEAT ON”, and “REPEAT OFF.”

☞ CHAPTER REPEAT

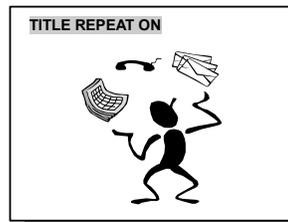
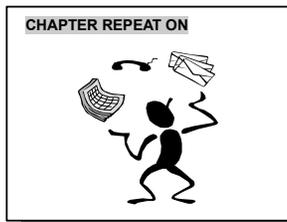
Enables the repeated playback of a chapter for a DVD disc or track for a Audio CD disc or a VCD disc.

☞ TITLE REPEAT

Enables the repeated playback of a title for a DVD disc or a disc for a Audio CD disc or a VCD disc.

☞ REPEAT OFF

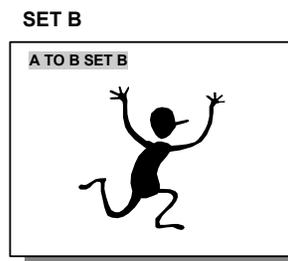
Resumes normal play.



● A-B Repeat

You are able to perform a repeated playback between any two points of a track or a chapter.

1. Press the **A-B REPEAT** button during playback to set the beginning point (A). The OSD message “A TO B SET A” will be shown on the right lower screen corner.
2. Press the **A-B REPEAT** button again to set the end point (B). The OSD message “A TO B SET B” will be shown. In the meantime, the repeated playback begins between the two points, A and B.
3. Pressing the **A-B REPEAT** button again resumes normal play. The OSD message “A TO B CANCELLED” will be shown.

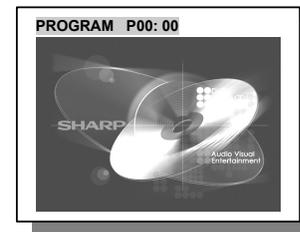


■ PROGRAM Playback

Here the program playback function is only available for Audio CD, or a VCD with PBC off.

● Track Program

1. Press the **PROGRAM** button to program the tracks for program playback during STOP status.

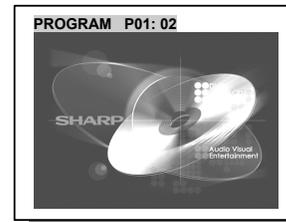


2. Use the numbers on the remote control to begin programming. Press the corresponding track number in the same sequence as your desired playback order.

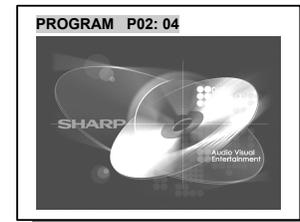
For example:

To program tracks 2, 4, 6 (in the same order), simply press key digits **2**, digit **4**, digit **6** sequentially.

Set track 2 as first sequence



Set track 4 as second sequence



☞ A number larger than 10 must be keyed by using **+10** additionally. For example, “22” is keyed in by pressing **+10** twice and then **2** once.

NOTES:

① The maximum program capability is 99 tracks.

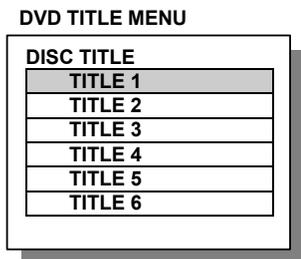
● Start/Cancel the Program Playback

- ☞ Press the **PLAY** button to start the program playback in the order that you programmed it.
- ☞ Press the **STOP** button to stop playback, press **PROGRAM** to reset program order, press **PROGRAM** again to cancel the program function.
- ☞ During the program playback, the **SKIP ►►** button and the **◀◀ SKIP** button can be used to advance to the next programmed track or go back to the previous programmed track.

■ TITLE MENU (DVD Only)

Some DVD discs have a title menu recorded within them to use for selecting titles for play. This feature will only work with these discs.

- ☞ Press the **TITLE** button during playback to reach the title menu. Pressing the **TITLE** button again resumes the playback of the scene when the **TITLE** button was first pressed.



- ☞ Use the **◀ ▶ ▲ ▼** buttons to control the direction and press the **ENT/PLAY** button to select the preferred title or you can directly press the numeric buttons to select the title.

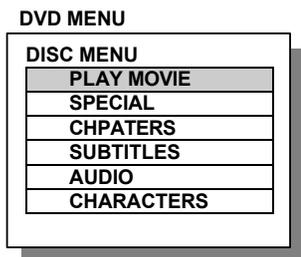
NOTE:

- ① DVD discs are divided into units referred to as titles, and titles are divided into chapters. Menu screens do not belong to any title. A disc that contains a movie may have only one title with many chapter divisions.

■ DVD MENU (DVD Only)

Some DVDs have complex contents such as multi-subtitle, multi-audio, or multi-angle. In these cases, you may use the DVD menu to select audio language, subtitle language, and angle.

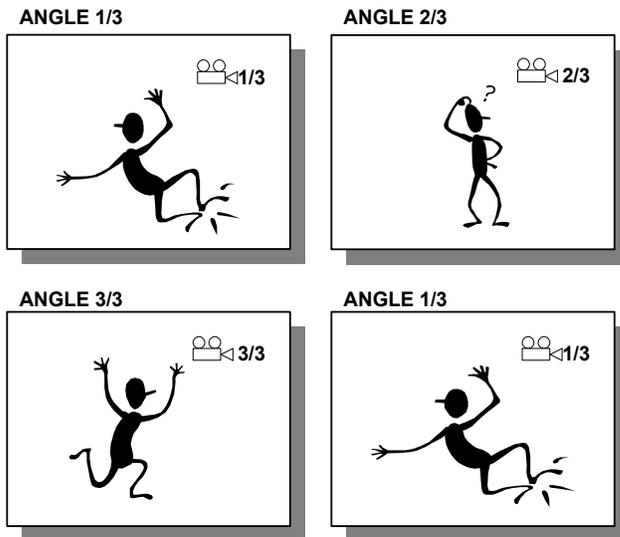
1. Press the **MENU** button during playback to display the DVD menu, if it is available on the disc.
2. Use the **◀ ▶ ▲ ▼** buttons to control the direction and press the **ENT/PLAY** button to select the preferred item. Or you can directly press the numeric buttons to select the item.
3. Pressing the **MENU** button again resumes the playback of the scene when the **MENU** button was first pressed.



■ MULTI-ANGLE Playback

Some DVD discs may contain scenes with a number of different angle views. Whenever a scene with multiple angle views is played, you can use the **ANGLE** button to view this scene from different angles.

- ☞ The OSD icon "📹" will appear on the screen during the playback of a scene with multi-angle views.
- ☞ When the **ANGLE** button is pressed, the angle for playback will change in cycles among the available angle numbers.



NOTES:

- ① The "ANGLE MARK" in the initial setting must be set to "ON."

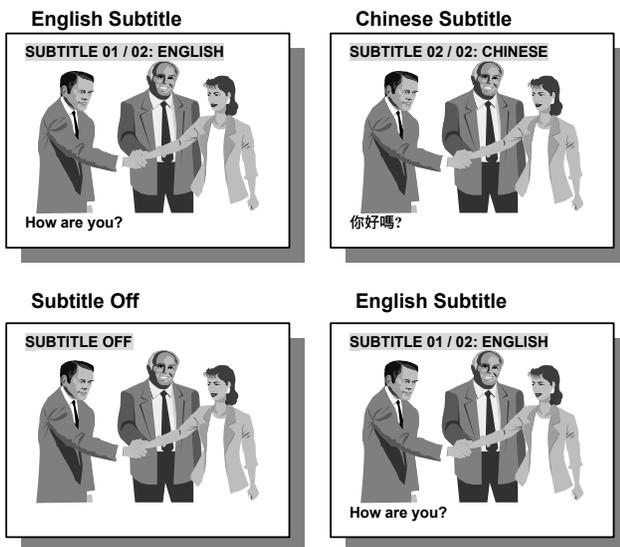
■ Changing SUBTITLE During Playback

During playback of a DVD disc with more than two subtitle languages, you can change the subtitle or disable the subtitle by pressing the **SUBTITLE** button.

- ☞ When the **SUBTITLE** button is pressed, the subtitle for playback will change in cycles among the available subtitle numbers and “OFF” status. “OFF” will disable the subtitle display.
- ☞ The OSD message will show the current subtitle number. If no selection is made, this OSD message will disappear after 3 seconds.

NOTES:

- ① “UNKNOWN” will be displayed for languages that are not supported by the subtitle function in this player.



NOTES:

- ① Sometimes the subtitle language can only be changed in DVD menu instead of during playback.
- ① The number of available subtitle language is depending on the disc.

■ Changing AUDIO LANGUAGE During Playback

During playback of a DVD disc with more than two audio languages, you can change the audio/language by pressing the **AUDIO** button.

- ☞ When the **AUDIO** button is pressed, the audio / language for playback will change in cycles among the available audio/language numbers.
- ☞ The OSD message will show the current subtitle number. If no selection is made, this OSD message will disappear after 3 seconds.

English Language



Chinese Language



NOTES:

- ① Sometimes the audio language can only be changed in DVD menu instead of during playback.
- ① The number of available audio language is depending on the disc.

■ DIRECT Function

Under the search mode, specific title, chapter, or time can be located for immediate playback.

● DVD Search Functions

During a DVD playback, pressing the **DIRECT** button can enable the search function. The OSD will show three search methods after pressing **DIRECT** button one time and two times.

TITLE and CHAPTER search



TIME search



The “TITLE 01/35” indicates that the player is currently playing title no. 1 of 35 titles. The “CHAPTER 06/38” indicates that the player is currently playing chapter 6 of 38 chapters. The “TIME 00:20:12” indicates that the current playback time is 20 minutes and 12 seconds into the playback.

- ☞ To search by title, use the **◀ ▶ ▲ ▼** buttons to highlight the first two digits of the “TITLE nn/nn” section. Once highlighted, use the number keys on the remote to enter the title you want to play. Presses **ENT/PLAY** to complete your search selection.

☞ To search by chapter, use the buttons to highlight the first two digits of the “CHAPTER nn/nn” section. Once highlighted, use the number keys on the remote to enter the chapter you want to play. Presses **ENT/PLAY** to complete your search selection.

☞ To search by time, use the buttons to highlight the “TIME nn:nn:nn” section. Once highlighted, use the number keys on the remote to enter the time frame from which you want to play. Presses **ENT/PLAY** to complete your search selection.

● **VCD/Audio CD DIRECT Functions**

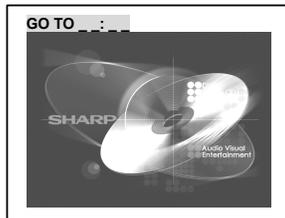
During a VCD or Audio CD playback, this unit only supports the time search function.

1. Pressing the **DIRECT** button during play will display the OSD for VCD/Audio CD search.
2. When the time is set, play from this position will start immediately.

VCD Search



Audio CD Search



NOTES:

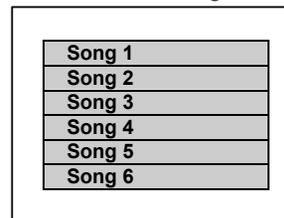
- ① Audio CD playback’s background is start up logo.

■ **VCD PLAYBACK CONTROL (PBC)**

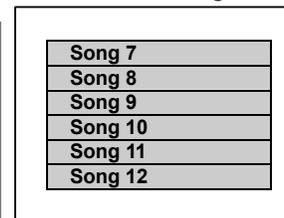
This function is only available for Video-CD version 2.0 or higher. The PBC operation may differ by disc, therefore, refer to the instructions for each disc.

- ☞ Press the **PBC** button to switch on/off the PBC function. The OSD message “PBC ON” or “PBC OFF” will be displayed.
- ☞ On the PBC menu, the **SKIP** and **SKIP** buttons are dedicated for “GO BACK TO PREVIOUS PAGE” and “GO TO NEXT PAGE” of the PBC menu, if available.

VCD PBC MENU Page 1



VCD PBC MENU Page 2



● **Digit Buttons**

On the PBC menu, all items must be selected and executed by using the number buttons only.

MP3 PLAYBACK

■ MP3 Compatible Format

- ☞ During MP3 playback, please select PAL TV system in the setup menu.
- ☞ This unit supports 32~320 Kbps bit rate MP3 files that are formatted by CD-ROM ISO9660 Data format.
- ☞ The file name can be showed in maximum 8 letters.

■ Operation Method

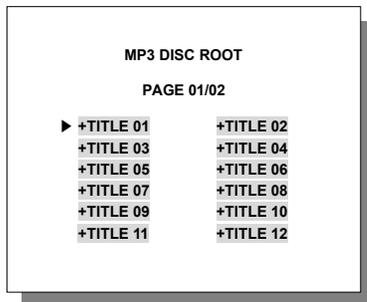
● Start Playback

1. Place MP3 files recorded disc into the DVD player, then it will enter the menu of the disc automatically.

NOTES:

- ① Sometimes it will not have menu if all MP3 files are burned in the root directory (no sub-directory existence)
- ① It sometimes takes a long time to load an MP3 disc; during this time no other function (Stop or Eject) can be accessed.

2. In the MP3 menu screen (disc root), you can use arrow buttons for movement to select a title what you want, then press **ENT/PLAY** button to confirm. See below:



MP3 Menu (Disc Root)

NOTES:

- ① Even if the disc contains several sub directories, only the directory name of the folder where the MP3 files are stored is displayed.
3. It will list 12 songs per screen of selected title. See below:



Track Selection

4. Please use arrow buttons for movement to select a track (song) and press **ENT/PLAY** button to play.

● MP3 Root Menu

- ☞ During playback, for entering the root menu of the MP3 disc, please press **STOP** button twice on the remote control.
- ☞ During stop status, for entering the root menu of the MP3 disc, please press **STOP** button once on the remote control.

● Song Selection

- ☞ Direct select with numeral keys
Press the numeral button directly from **0** to **9** and **+10** to select the song what you want.
EX: If you want to select #25 song, you have to press **+10** button twice and then press **5** button.

- ☞ Direct select with navigation keys
Under stop status, you can use arrow buttons for movement to select a title/song, then press **ENT/PLAY** button to confirm.

● Fast Forward/Reverse Scan

- ☞ Under the status of playback, you can use the **FWD** and **REV** buttons to fast forward and reverse scan.
- ☞ When the **FWD** or **REV** button is pressed, the speed of playback changes in cycles of 1 → 2 → 3 → 4 → PLAY → 1...



- ☞ When the **ENT/PLAY** button is pressed during fast forward/reverse scan, normal playback will be resumed.

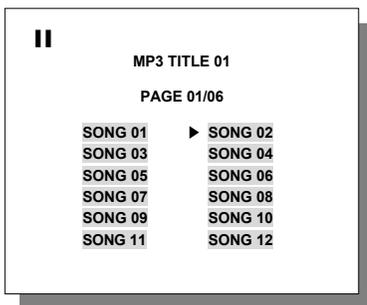
- **Skip Playback**

☞ Under the status of playback, you can use the **SKIP▶▶** and **◀◀SKIP** buttons to skip forward and reverse playback.



- **Pause Playback**

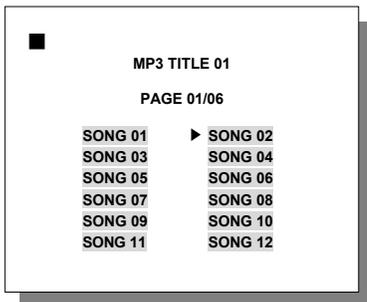
☞ Pressing the **STILL/PAUSE** button during playback will pause the playback.



☞ To resume normal play, please press the **ENT/PLAY** or **STILL/PAUSE** button.

- **Stop Playback**

☞ Press the **STOP** button to stop playback.



NOTES:

- ① When the unit is not in use, remove the disc and press the **OPERATE** button to power off player.

ADDITIONAL INFORMATION

■ GLOSSARY

- **DTS®**
DTS® stands for Digital Theater System. DTS® Digital Surround is an encoded/decoded system, which delivers 5.1 channels of “master quality” 48KHz/20-bit audio sound.
- **Dolby® Digital**
A sound system developed by Dolby Laboratories, Inc. that gives movie theatre ambience to audio output when player is connected to a Dolby Digital 5.1 channel processor or amplifier.
- **MPEG**
The word “MPEG” is short for Moving Picture Experts Group. This is an international standard for compression of audio. MPEG1 used on VCDs conforms to up to 2-channel stereo. MPEG 2 used on DVDs conforms to up to 7.1-channel surround. By connecting to an MPEG decoder or an AV amplifier with a built-in MPEG decoder, the MPEG audio of DVD discs recorded in this format can be played.
- **Dynamic Range**
“Dynamic range” is the difference between the maximum level and the minimum level of sounds. Sounds on a movie originally designed for movie theaters feature a very wide dynamic range, so sometimes it is not suitable for home use. Depending on the condition of your listening environment, Dynamic Range function can reduce the instant sound effect alteration of the movie while playing back. When viewing movies at night, turn this function on to avoid sudden loud sounds from disturbing your neighbors.
- **Subtitles**
Subtitles are captions of language superimposed on movies, etc. Up to 32 different subtitle languages can be recorded on one DVD disc. The subtitle function can be used to select the language of your choice.
- **Closed Caption**
Closed Caption (CC) is a standardized method of encoding text into an NTSC television signal. A TV can display the text with a built-in decoder or by a separate decoder. All TVs larger than 13 inches sold in the US since 1993 have Closed Caption decoders. Closed Captions can be carried on DVD, videotape, broadcast TV, cable TV, and so on.

■ REGION MANAGEMENT INFORMATION

This DVD player is designed and manufactured to respond to the Region Management Information recorded on a DVD disc. If the region number described on the DVD disc does not correspond to the region number of this DVD player (The region number can be found on the rear panel of the DVD player), this DVD player will not play the disc. The OSD message “WRONG REGION” will show on the TV screen. This player will play DVD discs made for “ALL” regions. The illustration below shows the regions and corresponding region numbers.

- ❶ REGION 1 USA & Canada
- ❷ REGION 2 Europe, Japan, South Africa, Middle East
- ❸ REGION 3 Southeast Asia
- ❹ REGION 4 Central & South America, Australia, New Zealand
- ❺ REGION 5 Former Soviet Union, India, Pakistan, Africa
- ❻ REGION 6 China

■ LICENSE

- **Dolby License**
Manufactured under license from Dolby Laboratories. “Dolby” and the double-D symbol are trademarks of Dolby Laboratories.
- **DTS License**
“DTS” and “DTS Digital Out” are trademarks of Digital Theater Systems, Inc.

■ WARNING

- ❶ **The specifications and design of this product are subject to change without notice, due to improvement.**
- ❶ **Modified or altered region code of this DVD player is illegal and we will cancel the warranty of this DVD player.**

■ TROUBLE SHOOTING

Before requesting service for this unit, please check the following chart for possible causes and remedies. If the remedies indicated in the chart below do not solve the problem, please consult your dealer for instructions.

Common Symptom	Possible Cause	Remedy
No power	✓ Power cord is not properly connected to the power outlet	✓ Make sure there is a connection between the power cord and the outlet.
Power turn off	✓ Auto power off function	✓ The power is automatically turned off after 20 minutes have elapsed in the stop mode (auto power off function). Turn the power back on.
Disc tray can't close	✓ Disc is not properly placed	✓ Replace the disc properly.
No playback	<ul style="list-style-type: none"> ✓ Power is OFF ✓ No disc is inserted ("no disc" will be shown on screen). ✓ Disc is upside down. ("No disc" is shown on screen). ✓ Dirty disk ✓ Deformed disk ✓ Condensation in unit 	<ul style="list-style-type: none"> ✓ Turn the power ON. ✓ Insert a disc. ✓ Reload disk. The label side should face upward. ✓ Clean disc surface. ✓ Replace disc. ✓ Turn power on for 1-2 hours before using the unit.
Unwanted mosaic-like garbage display during playback	<ul style="list-style-type: none"> ✓ Poor disc ✓ Video CD (MPEG1) 	<ul style="list-style-type: none"> ✓ Replace disc ✓ Playback with DVD format
No audio	<ul style="list-style-type: none"> ✓ Slow or fast playback ✓ Audio terminals are not connected. ✓ TV volume is too low ✓ Wrong AUDIO OUTPUT setting 	<ul style="list-style-type: none"> ✓ Press [PLAY] to resume normal playback ✓ Check audio connections ✓ Adjust TV volume ✓ Check AUDIO OUTPUT setting
No Video	<ul style="list-style-type: none"> ✓ Disconnection of video equipment ✓ Wrong output setting of VIDEO OUTPUT 	<ul style="list-style-type: none"> ✓ Check video connections ✓ Check video output setting of VIDEO OUTPUT in GENERAL SETUP
Remote control unit does not work	<ul style="list-style-type: none"> ✓ No batteries in remote control ✓ Dead batteries ✓ Remote control not being pointed at the remote sensor 	<ul style="list-style-type: none"> ✓ Put in new batteries ✓ Replace batteries ✓ Point the remote control at the remote sensor

DVD Symptom	Possible Cause	Remedy
Does not play, even when a title is selected	✓ Prohibited by the parental rating	✓ Confirm the PARENTAL setting.
Audio or subtitle language is not the one selected during the initial setting.	✓ The selected language does not exist in the disc	✓ Select another language using [AUDIO] or [SUBTITLE]
Setting language is not what you want	✓ Wrong OSD language setting	✓ Check the OSD language setting
Audio or Subtitle can not be changed	<ul style="list-style-type: none"> ✓ The disc contains only one language ✓ Some disc should be changed in DVD MENU. 	✓ Check the disc contents.
The password for parental rating has been forgotten		✓ Use "3308" to override the forgotten password and re-enter a new password.
The video image brightness fluctuates during playback	✓ The DVD player is connected to the television via a video tape recorder	✓ Connect the DVD player directly to the TV, bypassing the VCR.
Can not fast scan during playback of DVD movie.	✓ Some discs may have sections, which prohibit skip or scan operations by users.	✓ No operation can be done during this problem.

The following conditions do not always denote trouble. Therefore, perform the checks described below before calling for service. If the problem cannot be corrected by the use of this guide, remove the main plugs from the wall socket, and contact the dealer or supplier from whom the unit was purchased in order to obtain service. Where this is not possible please visit our web-site www.sharp.co.uk/support.

Customers without Internet access may telephone 08705 274277 during office hours (or (01) 6760648 if telephoning from Ireland).

Certain replacement parts and accessories may be obtained from our main parts distributor, who can be contacted on the following numbers:

WILLOW VALUE ELECTRONICS LTD.:
0121 7665414

In the unlikely event of this equipment requiring repair during the guarantee period, you will need to provide proof of the date of purchase to the repairing company. Please keep your invoice or receipt, which is supplied at the time of purchase.

■ SPECIFICATION

Power requirement	AC 220-240 V, 50 Hz
Power consumption	<20 W (approx. 5W at standby mode)
Weight	3.5Kg
Dimensions (W x D x H)	430x310x80 (mm)
Operating temperature range	+5 °C to +40 °C
Operating humidity range	5 % to 90 % (no condensation)

Video system	PAL 625/50 Hz , NTSC 525/60Hz	
S-video terminal	Y output level	1 Vp-p (75 Ω)
	C output level	0.30 Vp-p (75 Ω) PAL
Composite video terminal	1 Vp-p (75 Ω)	
Horizontal resolution	More than 500 Lines	
S/N ratio	More than 60 dB	

Audio parameters	Frequency Response	20Hz ~ 20kHz
	Dynamic Range	Over 90 dB
	S/N Ratio	Over 105 dB
	Distortion	Under 0.01%
	Output level	2 Vrms

1. First class laser product.
2. Danger: when the internal functions are out of order or damaged, opening the cover may cause unseen radioactivity. It should be kept away from direct light.
3. Caution: Do not open the top cover. No internal part should be maintained or serviced by the user. Qualified person should carry out all such work.

Rating labels on the back of the machine

