

DVD2R



KINGAVON

*Home
& Leisure*

DVD Player

with

40Gb Hard Disc Recorder



IMPORTANT
READ THESE INSTRUCTIONS
BEFORE USE AND RETAIN
FOR FUTURE REFERENCE.



**IMPORTANT SAFETY INSTRUCTIONS
PLEASE READ THESE INSTRUCTIONS FULLY
PRIOR TO USING THIS EQUIPMENT FOR
THE FIRST TIME.**



This symbol alerts the user to "dangerous voltage" which could cause electric shock.



This symbol indicates to the user to read important operating and maintenance

NOTES

- 1) Read these instructions carefully.
- 2) Keep these instructions for future reference.
- 3) Heed all warnings, and follow all instructions.
- 4) Do not use this apparatus near water.
- 5) Clean only with dry cloth.
- 6) Do not block any ventilation openings.
- 7) Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- 8) Do not allow anyone especially children to push anything into the slots or opening of the DVD player.
- 9) Protect the power cord from damage.
- 10) Only use attachments/accessories specified by the manufacturer.
- 11) Always ensure that the unit is placed on a stable, flat and secure surface prior to operation.
- 12) Unplug this apparatus during lightning storms or when unused for long periods of time.
- 13) Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as if the unit has been exposed to rain or moisture, or does not operate normally for whatever reason.
- 14) This apparatus must not be exposed to dripping or splashing and no objects filled with liquids, such as vases should be placed on the unit.
- 15) If this equipment is not to be used for long periods then it is recommended that it is disconnected from the mains supply.

PLEASE NOTE:

If while recording a program onto the hard drive, it runs out of space. The unit will stop recording and will show a message on screen telling you that the disk is full. In order to record any further programs onto the hard drive, you will therefore need to delete some existing files in order to make room for newer recordings.

The included mains lead is fitted with a 13amp BSI363 3-pin plug. This plug is fitted with a 3amp fuse always replace the fuse with one of identical type and rating. If the plug or cable is damaged or broken ensure the unit is not used until it has been repaired by a qualified electrician.

- If extension leads are to be use, always ensure that they are earthed

REMOTE CONTROL BATTERIES

- The Remote control requires 4 AAA type batteries. Unclip the rear cover of the remote control and fit the batters observing the polarity of the fitting and of the batteries.
- When replacing the batteries do not mix batteries types or old and new batteries.
- Alkaline batteries are generally recommended for better performance.
- Always dispose of spend or dead batteries properly and when ever possible ensure they are recycled.

IMPORTANT NOTES ABOUT LASER PRODUCTS

1. This is a class I laser product
2. DANGER: Visible laser radiation when opened or damaged. Avoid direct exposure to the laser beam.
3. CAUTION: Do not open the top cover. There are no user serviceable parts inside this unit. A qualified technician should carry out any servicing.

THIS HARD DRIVE RECORDER CAN BE USED IN TWO RESPECTS:

1. WITH SMARTNAVI

This is as a digital video recorder, recording complete programs, saving them onto a hard drive for viewing later.

2. LIVE VIDEO

Used as a Live Video recorder, this format does not make a permanent recording onto the internal Hard drive for viewing later, but when used while viewing a program, that program can be paused, continued, reversed and forwarded without missing any footage.

RECORDING ONTO THE HARD DRIVE

First select the required input signal you wish to record, this is done by pressing the SETUP on the remote control. The following screen will appear:

TOP MENU

PLAY DVD
SMARTNAVI
LIVE SETUP
SETUP MENU

Highlight and select the SETUP MENU by using the ▲ ▼ buttons on the remote control and pressing ENTER.

The following screen will appear:

MAIN PAGE

GENERAL
SPEAKER
AUDIO
PREFERENCES
PVR CONTROL

Scroll down using the ▲ ▼ buttons on the remote control to highlight the PVR CONTROL and select using the ENTER button. The following screen will appear:

PVR CONTROL

DISK TOOLS
RECORD MODE
TIMESHIFT
MAXIMUM PAUSE
INPUT SOURCE

Scroll down using the ▲ ▼ buttons on the remote control to highlight the INPUT SOURCE and select using the ENTER button

This will display the list of inputs available:

COMPOSITE
S-VIDEO
TUNER
SCART

Select the desired input and using the ▲ ▼ buttons on the remote control and ENTER to confirm; a tick will be placed next to the selected input setting.

PLEASE NOTE:

If the tuner is selected the tuner will have to be preset first, this is explained later in this manual.

To return to exit the menus press the ◀ button on the remote control.

The screen will return to the PVR CONTROL menu screen.

The required quality of the recording must also be chosen. To do this, in the PVR CONTROL menu highlight and select the RECORD MODE using the ▲ ▼ buttons on the remote control :

PVR CONTROL

DISK TOOLS
RECORD MODE
TIMESHIFT
MAXIMUM PAUSE
INPUT SOURCE

...and press ENTER to confirm.

The following options will be displayed:

XP
SP
LP
EP

These are the quality of the recording you may make.

The lower the quality the more that can be fitted on to the internal hard drive.

XP is the highest quality and EP is the lowest.

- A tick will be placed next to the selected record mode setting.

Once these have been set the program can be recorded.

To record a video clip or program on to the Internal Hard Drive exit the PVR CONTROL menu by pressing the **◀** button on the remote control.

Once at the TOP MENU select the SMARTNAVI to access the recording options:

TOP MENU
PLAY DVD
SMARTNAVI
LIVE SETUP
SETUP MENU

The recorded video will be placed in a location on the screen below:

SmartNAVI
ROOT
BAY001

Each recorded programme or clip can be place in a file.

Files are created, deleted, moved or copied by pressing the OSD (On Screen Display) button on the remote control:

SmartNAVI
ROOT
BAY001 COPY
MOVE
DELETE
RENAME
RENAME
NEW FOLDER
PROPERTIES
CANCEL

1. To start recording press the record button on the remote control.
This will display the message:
BACKGROUND RECORDING.
2. To view the video while recording press the RECORD button a second time.
3. To continue with the recording but exit the SmartNAVI press the SETUP button on the remote control this will allow you to watch a DVD while recording if you wish.
4. To stop the Recording press STOP on the remote control. This will stop recording onto the Hard Drive and the hard driver will then switch over to LIVE VIDEO.
5. To stop the recording completely press the STOP button again.

The Recorded video will then appear on the SmartNAVI Menu after the recording has stopped.

While recording, the display panel on the front of the unit, (6 - See page 8) will show the duration of the recording. This feature only remains active for approximately 6.5 hrs. After this the display will revert back to displaying the time, while continuing to record onto the Hard Drive until all the available space has been filled up.

MOVE/COPYING VIDEO

To MOVE or COPY a file the destination of the clip must be preset this is done by selecting a file the pressing the MENU button on the remote control notification of destination set will be displayed on screen. Then it will be possible to select a clip. Press OSD on the Remote and highlight MOVE or COPY file.

Before this operation is complete it will ask for you to confirm this operation:

YES NO

Used the **◀ ▶** and ENTER buttons to confirm this operation.

USING LIVE VIDEO

First select the required input signal you wish to record, this is done by pressing the SETUP on the remote control. The following screen will appear:

TOP MENU

PLAY DVD
SMARTNAVI
LIVE SETUP
SETUP MENU

Highlight and select the SETUP MENU by using the \blacktriangle \blacktriangledown buttons on the remote control and pressing ENTER.

The following screen will appear:

MAIN PAGE

GENERAL
SPEAKER
AUDIO
PREFERENCES
PVR CONTROL

Scroll down using the \blacktriangle \blacktriangledown buttons on the remote control to highlight the PVR CONTROL and select using the ENTER button

The following screen will appear:

PVR CONTROL

DISK TOOLS
RECORD MODE
TIMESHIFT
MAXIMUM PAUSE
INPUT SOURCE

Scroll down using the \blacktriangle \blacktriangledown buttons on the remote control to highlight the INPUT SOURCE and select using the ENTER button

This will display the list of inputs available:

COMPOSITE
S-VIDEO
TUNER
SCART

Select the desired input and using the \blacktriangle \blacktriangledown buttons on the remote control and ENTER to confirm; a tick will be placed next to the selected input setting.

If the tuner is selected, the tuner control in the PVR control must be setup first.

To return to exit the menus press the \blacktriangleleft button on the remote control. The screen will return to the PVR CONTROL menu screen.

- The required quality of the LIVE VIDEO must also be chosen.

To choose the quality of the LIVE VIDEO access the PVR CONTROL menu highlight and select the TIMESHIFT using the \blacktriangle \blacktriangledown buttons on the remote control and ENTER to confirm.

PVR CONTROL

DISK TOOLS
RECORD MODE
TIMESHIFT
MAXIMUM PAUSE
INPUT SOURCE

The following options will be displayed:

XP
SP
LP
EP

- These are the quality of the LIVE VIDEO you are going to make.
- The lower the quality the more that can be fitted on to the internal hard drive.
- XP is the highest quality and EP is the lowest.
- A tick will be placed next to the selected TIMESHIFT mode setting.

The Length of the pause can also be set this is done by highlighting the MAXIMUM PAUSE and pressing ENTER. Use the \blacktriangle \blacktriangledown buttons on the remote control to select the maximum length of pause, the longer the pause the more space on the internal hard drive is used

PVR CONTROL

| | |
|---------------|-------|
| DISK TOOLS | 25MIN |
| RECORD MODE | 20MIN |
| TIMESHIFT | 15MIN |
| MAXIMUM PAUSE | 10MIN |
| INPUT SOURCE | 5MIN |

Once these have been set the LIVE VIDEO can be used.

This is done by exiting the PVR CONTROL menu using the ◀ button until the TOP MENU is displayed:

TOP MENU

PLAY DVD
SmartNAVI
LIVE VIDEO
SETUP MENU

Highlight and select the LIVE VIDEO by using the ▲ ▼ buttons on the remote control and pressing ENTER.

The Live video will then start from there you are able to pause reverse and forward the program you are watching.

To exit the live video press the STOP button on the remote control.

FEATURES

SIMULTANEOUS RECORD/PLAYBACK

Watch the DVD playback at the same time you're recording a program onto the internal hard drive.

RECORD FUNCTION

Built-in TV tuner lets your record from TV, audio, video inputs onto the hard drive.

There are CVBS composite video, S-video, RF, Cable TV signal and SCART inputs.

EDIT/DELETE FUNCTION

The programs recorded can be: edited, renamed, deleted, copied and moved into different files on the hard drive.

PLAYBACK FUNCTION

Four levels of fast/slow play, frame-by-frame playback, search by time, repeat and time shifting.

SCHEDULED TIME RECORDING

Recording time using the scheduled program recording for several time periods.

SCART SOCKET

Signal can be input or output through the socket. HIGH RESOLUTION MPEG2 decoding format achieves a horizontal resolution more than 500 lines.

EXCELLENT SOUND QUALITY

Dolby AC-3 output digital audio signal and high quality sound effects.

VIDEO OUTPUT SCREEN

Supports the picture of normal screens (4:3) and wide screens (16:9).

SPECIAL FUNCTION

Support multi-angle, multi-language and multi-subtitle DVD playback.

COMPLETE RANGE OF OUTPUT CONNECTIONS

Standard Video, S-Video, RGB and SCART output.



COMPLETE RANGE OF INPUT CONNECTIONS

Standard Video, S-video, AUX-R/L and RF.

SEARCH BY TIMECODE

Ability to search DVD contents via time or chapter.

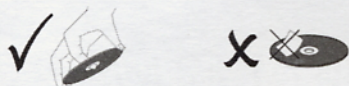
DISC FORMATS SUPPORTED BY THIS PLAYER

| TYPE | DISC LOGO | DIAMETER | PLAYABLE SIDES |
|------|---|------------------------|----------------|
| DVD |  | 12cm | 133min (SS-SL) |
| | | | 242 (SS-DL) |
| | | | 266 (DS-SL) |
| | | | 484 (DS-DL) |
| CD |  | 12cm | 74min |
| | | 8cm | 20min |
| MP3 | | 12cm PLAYBACK TIME/ | 600min |

- The disc software manufacturer specifies the operation method of some DVD discs. Please refer to the instruction manual of disc.

NOTES

- Using of Discs Do not touch the playing surface of the compact disc.



Do not stick paper and label on the disc.

- Storage of Discs

Do not store the discs in direct sunlight.

Do not place discs near water or in dusty place.

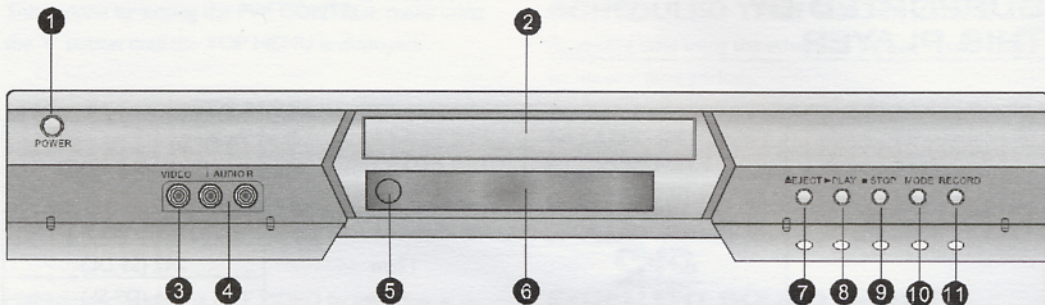
- Cleaning of Discs

If a disc has fingerprints or dust on it, lightly wipe the disc with soft cloth (or similar) from the centre of the disc outward in a radial manner.



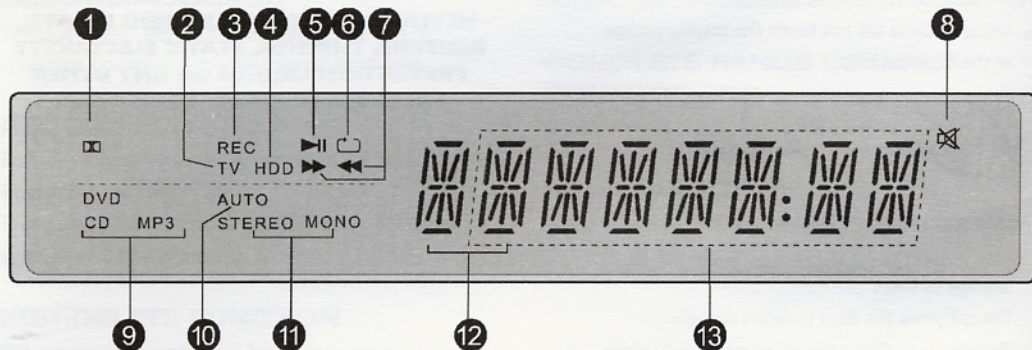
**NEVER USE RECORD CLEANING SPRAYS,
BENZENE, THINNER, STATIC ELECTRICITY
PREVENTION LIQUIDS OR ANY OTHER
SOLVENTS TO CLEAN YOUR DISCS.**

PARTS IDENTIFICATION



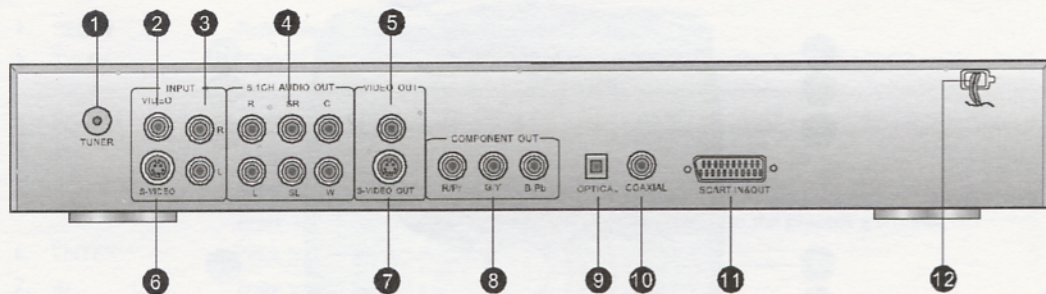
FRONT PANEL

1. POWER button
Press to turn the power on or off.
2. Disc tray
Use to load disc.
3. LIVE VIDEO input connection
Connection for a video input.
4. L-AUDIO-R input phono
Connections for audio input.
5. Remote sensor
6. Display panel
Indicates the current status of the unit.
7. EJECT button
Press to open/close the disc tray.
8. PLAY button
Press to begin the playback of the inserted disc.
9. STOP button
to stop the playback.
10. MODE button
Press to search mode.
11. RECORD button
Press to activate recording.



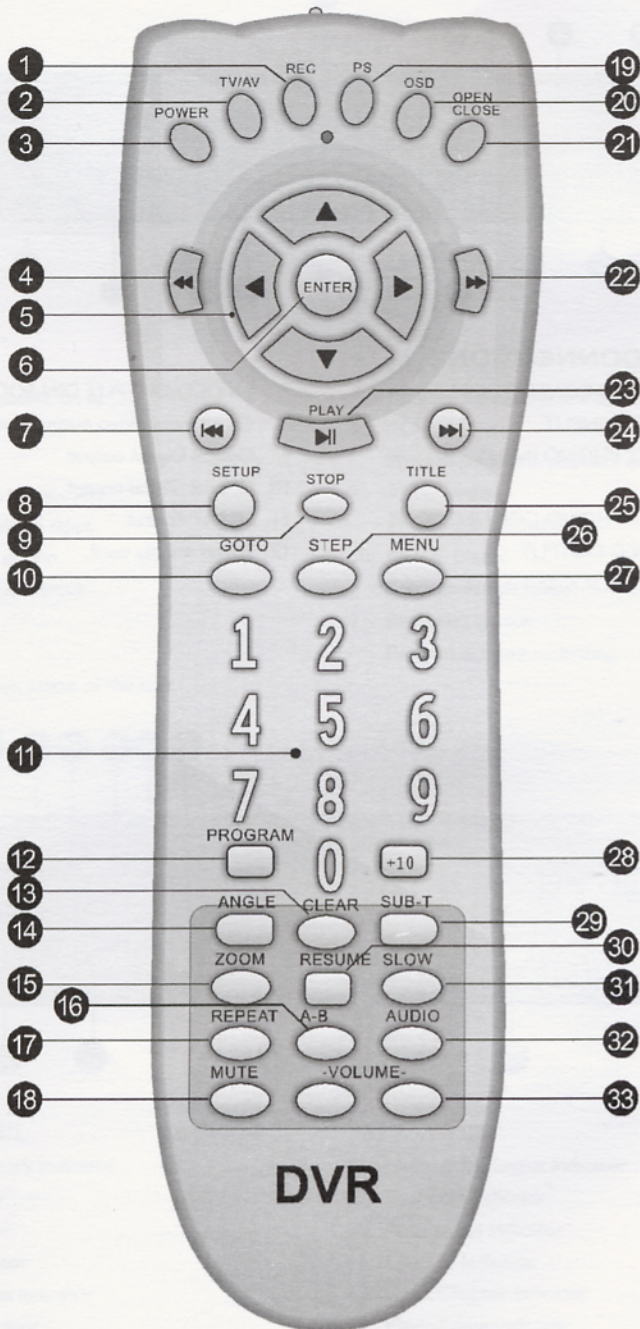
DISPLAY PANEL

1. Dolby double-D mark indicator
2. TV status indicator
3. Recording indicator
4. HDD status indicator
5. Playing/pause status indicator
6. Repeat status indicator
7. Fast forward/reverse indicator
8. Mute audio output indicator
9. Disc type indicator
10. Auto status indicator
11. Channel indicator
12. Track/Chapter indicator
13. Playing time indicator



REAR PANEL CONNECTIONS

- | | |
|---|---------------------------------------|
| 1. TV TUNER COAXIAL CONNECTION | 7. S-VIDEO OUTPUT DIN SOCKET |
| 2. VIDEO COMPOSITE INPUT | 8. Component video output connections |
| 3. 2ch RIGHT & LEFT PHONO INPUT CONNECTIONS | 9. Optical Digital output |
| 4. 5.1ch Audio output PHONO CONNECTIONS | 10. Coaxial Digital output |
| 5. COMPOSITE VIDEO OUTPUT | 11. SCART Socket |
| 6. S-VIDEO INPUT DIN SOCKET | 12. Power-supply cord. |



REMOTE CONTROL FUNCTIONS

1. REC ● Recording start button.
2. TV/AV Press to shift between CVBS, S-VIDEO, RF, and SCART under the LIVE VIDEO mode.
Switch between stand-by and working status.
3. POWER Press to search backward.
4. ⏪ Arrow select. (OSD navigation buttons)
5. ◀ ▶ Press ◀ ▶ to tune the effect of the reception.
Press ▲ ▼ to advance to the next channel or to go back to the preceding channel.
6. ENTER Press to confirm the selection.
7. ⏮ Press to skip to the previous track.
8. SETUP Press to activate the setup menu.
9. STOP In Play DVD mode, press to stop the playback.
Press the RESUME button to continue play from the point you stopped previously.
Press this button three times to shift to SmartNavi menu.
10. GOTO Allows you to select the desired disc starting time, track or title.
11. Number buttons In Play DVD mode, select numbers by pressing these buttons.
In TV mode, press to select channel.
12. PROGRAM In Play DVD mode, allow you to play the disc in a programmed sequence.
13. CLEAR Press to clear the incorrect input.
14. ANGLE During DVD playback, press to access various camera angles (if the DVD disc contains multiple camera angles).
In SmartNavi menu, press this button to shift to 'Live Video' directly.
15. ZOOM When a DVD is playing, press this button to activate zoom.
16. A-B Press to mark a segment to repeat between A and B.
17. REPEAT Press to repeat a chapter, track, title, or all content.
18. MUTE Press to mute the player's audio output.
19. PS Press to shift between 'Progressive' and 'Interlace' mode.
20. OSD 'On Screen Display'
21. OPEN/CLOSE Press to open/close the disc tray.
22. ⏩ Press to search forward.
23. ⏸ Press to pause the playback.
Press again to resume the playback.
24. ⏭ Press to skip to the next chapter or menu.
25. TITLE Press to display titles if present on the disc.
26. STEP Press to step frame by frame.
27. MENU Press to display the disc menu on the TV screen in Play mode.
28. +10 Press to select track numbers more than 10.
29. SUB-T When a DVD is playing, press to select a subtitle language.
30. RESUME Press to resume the playback.
31. SLOW Press to activate slow forward or slow rewind.
32. AUDIO Press to access various audio languages (if the DVD disc contains multiple audio languages).
33. VOLUME +/- Press to increase or decrease the volume level.

CONNECTIONS

DO NOT CONNECT THE POWER TO THE UNIT UNTIL ALL CONNECTIONS HAVE BEEN MADE.

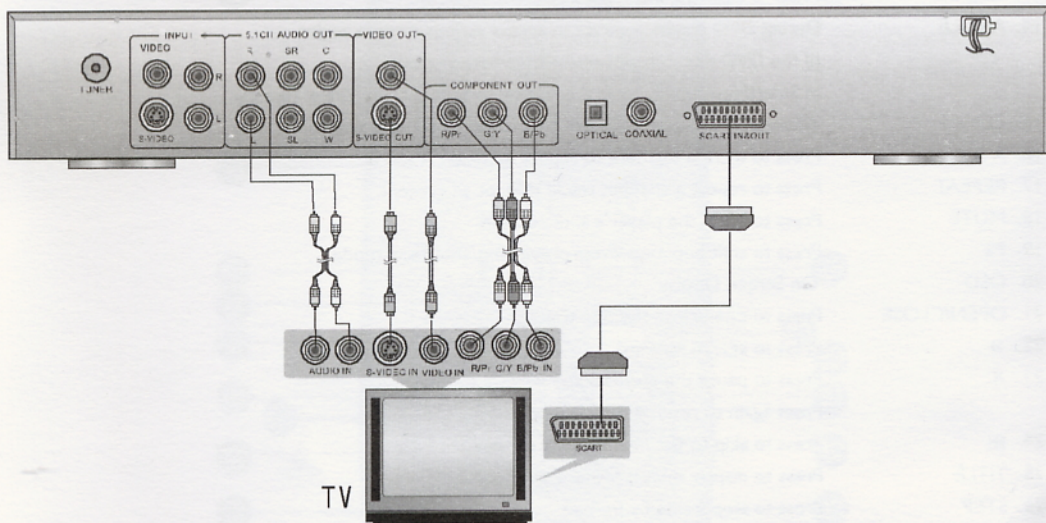
The DVD player has two types of analogue audio output, 5.1 and 2ch audio output, and a coaxial and optical digital audio output;

The video signal output is the S-video, composite video phono and Scart connections. You can choose the appropriate one of connect to your television.

CONNECTING TO A TV

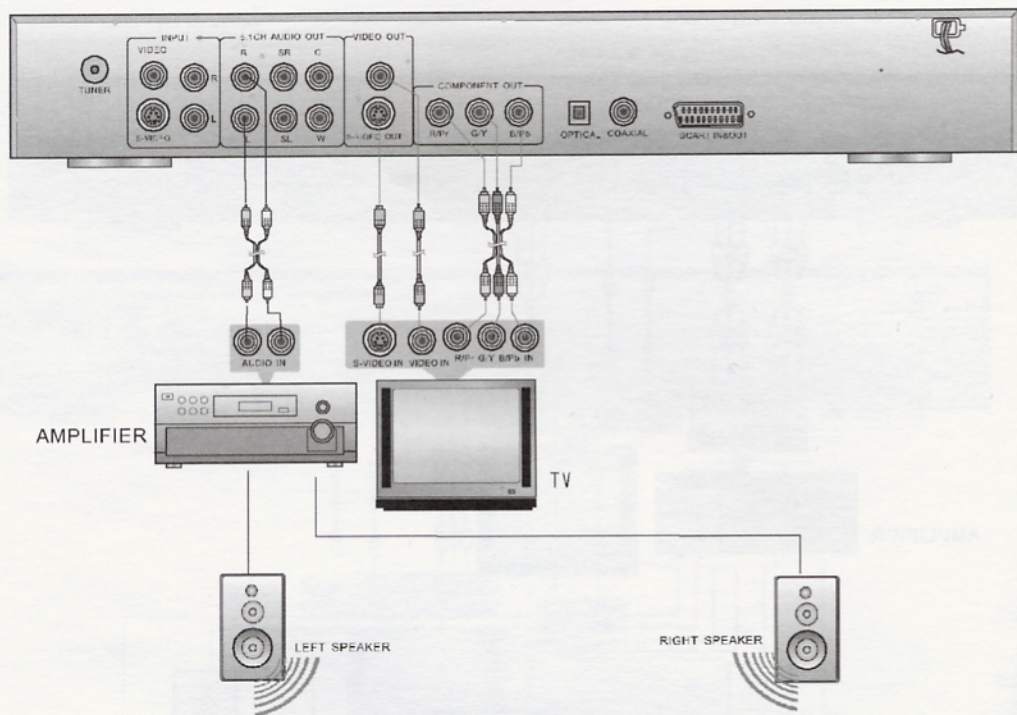
Connections should be made as follows:

In this figure below VIDEO OUT, S-VIDEO OUT, COMPONENT OUT, RGB and SCART OUT connections are shown. If the TV has S-VIDEO IN and COMPONENT IN jacks, you can achieve a better picture by using these connections.

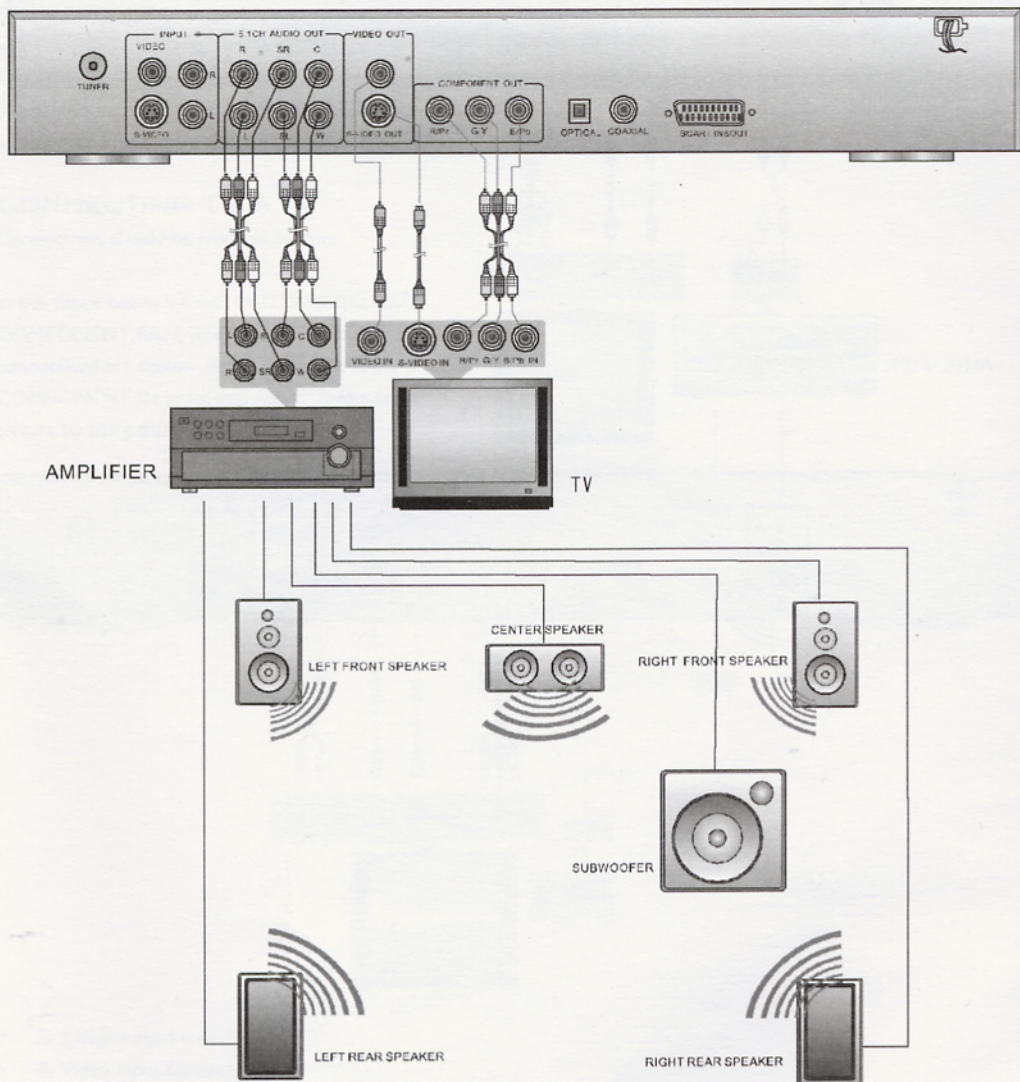


- To S-Video input connector
 - To Video input connector
 - To Component connectors
 - To SCART connector
-
- Make the relevant setup in "Video Output" according to the connection made.

CONNECTING TO AN ANALOG AMPLIFIER



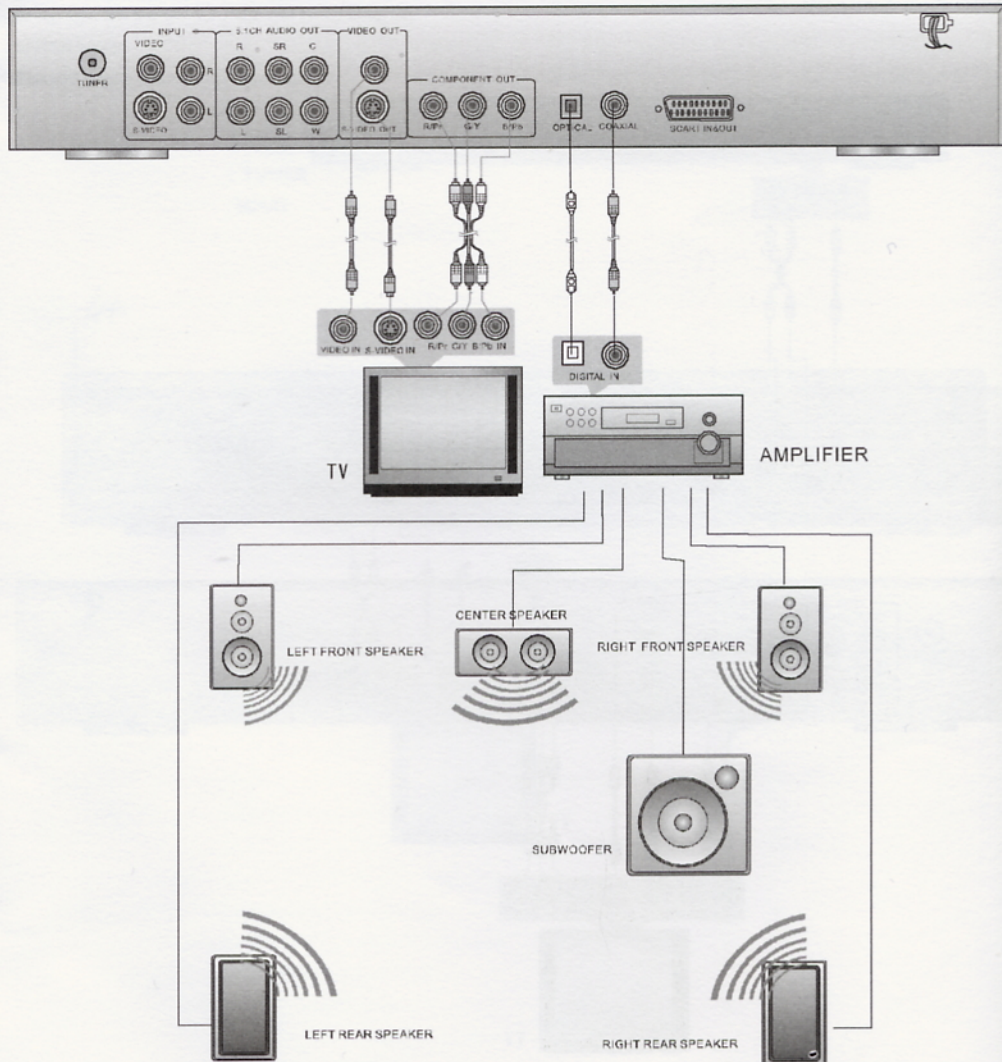
CONNECTING TO AN AMPLIFIER WITH 5.1CH AUDIO OUT



CONNECTING TO AN AMPLIFIER WITH DOLBY DIGITAL DECODER

- To optical audio input connector
- To coaxial audio input connector

- An optical digital audio cable or coaxial audio cable (both optional, not supplied) is required for these connections, as shown above. Only one connection is needed, do not use both at the same time.
- You can select any one of video out connections according to the TV.



CONNECTING TO AUDIO/VIDEO SOURCES

This unit supports two-channel video input

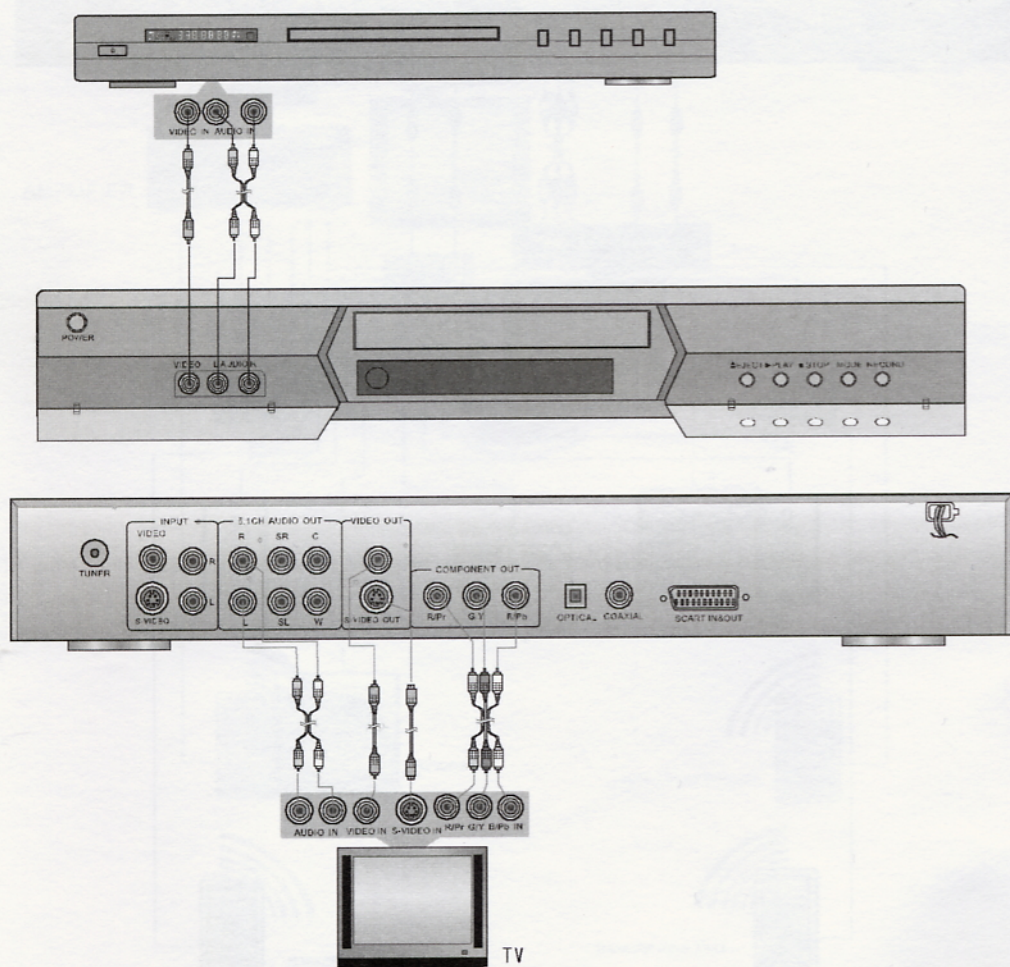
(one is on the front panel, the other is on the rear panel).

It also supports two groups of audio inputs

(one group is on the front panel, the other

is on the rear panel.)

- SCART Audio/video inputs
- Two-channel video inputs
- Two groups of audio inputs
- S-Video inputs



TV

CONNECTING TO THE TV TUNER

When you enter TV TUNER mode, ensure the input selection is correctly

This is done by pressing the SETUP on the remote control.

1. Highlight and select the SETUP MENU by using the \blacktriangle \blacktriangledown buttons on the remote control and pressing ENTER.
2. Scroll down using the \blacktriangle \blacktriangledown buttons on the remote control to highlight the PVR CONTROL and select using the ENTER button
3. The following screen will appear:

Scroll down using the \blacktriangle \blacktriangledown buttons on the remote control

to highlight the INPUT SOURCE and select using the

ENTER button

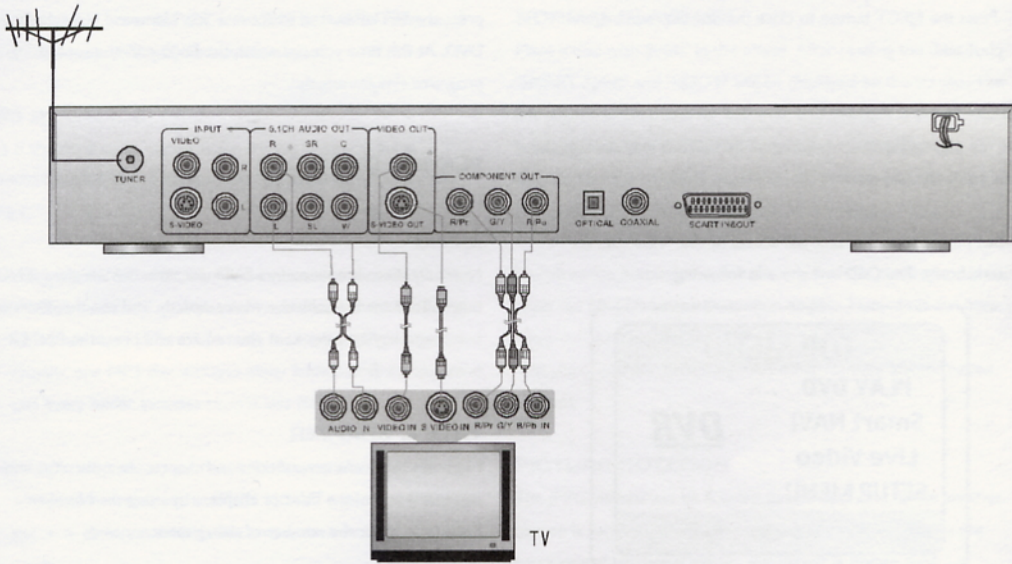
This will display the list of inputs available:

- COMPOSITE
- S-VIDEO
- ✓ **TUNER**
- SCART

Ensure that the **TUNER** is hi-lighted and confirmed with the tick (✓).

Or press the ANGLE button to shift to 'RF' mode directly.

Now press \blacktriangle \blacktriangledown buttons or use the number buttons to select you're the channel.



NORMAL OPERATION

Only after connection, turn on the power of relevant equipment and select video input.

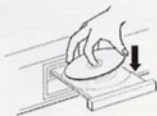
1. Turn on the player's power.

Press the POWER button on front panel to turn on the power and the player will search for the disc automatically. If there is a disc in, the player will automatically play it.

2. Press the OPEN/CLOSE on front panel or the EJECT button on remote control to open the disc tray.

3. Load the disc into the disc tray.

Load the disc as shown in the diagram below in order not to damage the player or the disc.



4. Press the EJECT button to close the disc tray and begin playback.

NOTE:

Do not play bad quality or damaged discs as this may damage the lens inside the player.

When power is on, the unit will access to the "TOP MENU" automatically. The OSD will show as following,



Select Play DVD and press the ENTER button to access the Play DVD mode.

While DVD is playing, press the SETUP button to activate TOP MENU.

While playing a DVD the STOP button can be pressed the DVD player will then stop play when the play button is pressed the DVD will continue from the stop point on the disc. If the STOP button is pressed a second time the DVD Play will clear the memory of the disc and resume play at the beginning of the disc if play is pressed.

Press the STOP button a third time to exit from DVD Play and SmartNavi menu will be displayed on the screen.

While DVD disc playback at the same time it is possible to record programs from outside input sources: Under the Top Menu, select SmartNAVI, then press the TV/AV button select input sources, after selection, press the REC button to record. Now press the SETUP button to activate Top Menu and highlight Play DVD. At this time you can watch the DVD disc and record TV programs simultaneously.

PLAYING DVD DISCS

MENU

Normally there is a menu in a DVD disc. You can use the MENU button to enter the selection menu directly, and use the direction buttons to highlight the item you require and press the ENTER button to confirm.

TITLE & CHAPTER

Normally there are several titles and chapters in a disc. You can select any one of the titles or chapters by using the Number buttons to enter the number of the chapter.

LANGUAGE

There can be up to 8 audio languages on a DVD disc. When you play a multi-language DVD disc, press the AUDIO button on remote control to select a different audio language.

NOTE: This function is only available if discs that have several audio bitstreams.

SUBTITLE

The DVD player can support up to 32 kinds of subtitles. When you play a multi-subtitle disc, press the SUBTITLE button on remote control to select different subtitles.

NOTE: This function is only available for discs that several audio bitstreams have been recorded onto.

ANGLE

The DVD player supports multi-angle function. Multi-angle means that a scene is shot from more than one angle so that it can be viewed from more than one angle. If there are multiples in a scene, you can use the ANGLE button to select the angle you like to enjoy. Press the ANGLE button continuously to view different angles.



VOLUME

During playback, press the VOL+ & VOL- buttons to increase and decrease the DVD player's output volume.

MP3 PLAYBACK

MP3 is the third audio compression format of international standard (MPEG), which compresses the audio signal at the ratio of 12:1.

- Using the MP3 format, one disc can record more than 600 minutes music, at a quality which is similar to that of CD Disc
- There are many different formats for storing MP3 songs. Usually, one MP3 disc includes many folders (directories) and every folder includes several files (tracks).

1. While in stop status, use the ◀ ▶ directional navigation arrows to move cursor to "PLAY MODE" column, and use the ▼ ▲ directional navigation arrows to select the play mode.
2. Press the ◀ ▶ directional navigation arrows to confirm.
3. Similarly, use the ▼ ▲ directional navigation arrows to select the directory you want and press ENTER.
4. Press the PLAY button to play the song you selected.

While in playing a disc, you can use the ◀▶ and ▶▶ buttons to select other songs.

- The player can only output stereo signal when playing MP3 discs, and there is no search option during MP3 playback. Hundreds of pictures or MP3s can be stored in a disc in this format.

PLAYBACK FUNCTIONS

CD PLAYBACK

The player will play all tracks for CD discs continuously in default status. You can press the ◀▶ and ▶▶ buttons or number buttons to select certain tracks.

PICTURE CD PLAYBACK

JPEG PLAYBACK OPERATION

NORMAL PLAYBACK

Place a disc with 'JPEG' in the player. After reading the disc, "SMART NAVI" and "ROOT" will be displayed on the screen. The left column is the menu for last level, and the right is the menu for next level. Use the ENTER button and the Left/Right direction button to select submenu with picture. Use the ▼ ▲ buttons to select the contents in the menu.

Use direction buttons to select the name of the picture, and then press the ENTER button to confirm to play. Many discs can have other contents besides pictures.

This player will not necessarily read other formats of information on discs.

PICTURE ROTATION

The JPEG viewed can be rotated and can be operated. Once another picture is selected, it will be cancelled automatically. There are two kinds of rotational modes: Rotate left & Rotate right.

You can use direction buttons to select:

"LEFT" Rotate left

"RIGHT" Rotate right

ZOOM

ZOOM button is used to turn on/off zoom and move function. When this function is turned on, use the ◀ and ▶ buttons to control zoom proportion and TV screen will display the relevant portion. Then you can use directional navigation arrows to move the picture.

When this function is turned off, the picture will resume back to normal size. Press the MENU button to return to root menu. Depending on how the disc was made, a JPEG disc may allow playback, but not rotation or zooming of the images.

DISC INFORMATION DISPLAY

Press the DISPLAY button on remote control to display the relevant disc information.

STANDBY MODE

Press the POWER button on the remote control to turn the player off to standby mode. Press it again to turn on the player. The player will enter the mode of screen saver automatically if there has been no operation for a period of 30-60 seconds and then enter the standby mode.

STOP

To stop playback during viewing, press the STOP button on remote control. For DVD discs, after pressing the STOP button once, if you press the PLAY button, then the player will play from the stopped point.

PAUSE

Press the PAUSE II button on remote control to pause playback.

REPEAT

1. Use the REPEAT button to repeat a title, chapter, track or disc according to disc options, to cancel, press the repeat button again.
 2. Use the A-B button to repeat section A to B. Press it once to set the starting point A, and again to set the ending point B, and a third time to cancel.
- Some discs do not support the repeat function.

SEARCH BY TIME

Use the SEARCH button to search by time. During DVD playback, press the SEARCH button once and TV screen will display the title or chapter, then you can use the number buttons to select one of them. Press the SEARCH button twice, then you can use number buttons to input the time you desired (hour, minute, second), and the player will play from the inputted time.

- Some DVD discs do not support search function.

FAST FORWARD & REWIND

Press the ◀ and ▶ buttons to activate fast forward or rewind.

- Continually pressing the ◀ or ▶ button will change the mode accordingly:
Forward 1x, Forward 2x, Forward 3x and Forward 4x.
Rewind 1x, Rewind 2x, Rewind 3x and Rewind 4x repeated pressing of the button will resume normal playback.

SLOW FORWARD & REWIND

Press the SLOW button to activate slow viewing of the disc. There is no slow playback function for audio CD's and MP3 discs.

PLAY

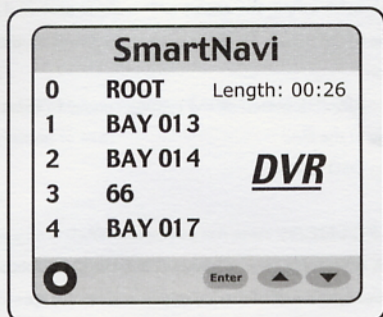
Press the PLAY button to start playback. Press the POWER button on remote control to enter the standby mode, and press it again to resume playback. If there is no operation for a long time, the player will automatically enter a screen saver status and then enter standby status.

ZOOM

To enlarge or reduce the picture size, press the ZOOM button on the remote control. Continually pressing the zoom button will change the mode accordingly:
Enlarge x1.5, enlarge x2 and enlarge x3 or repeat press the ZOOM button on the remote control to resume normal playback.

SMARTNAVI

1. Select SmartNAVI and press the ENTER button to access to the recorded program menu. The On screen Display (OSD) is displayed as follows:



RECORDING PLAYBACK

PLAY

Use ARROW (▲/▼) buttons to highlight the recorded program, the screen will display the program length and the contents. Press the ENTER button or the PLAY button to play the recorded program. During playback, press the (◀/▶) buttons to select the previous or the next record video file.

PAUSE

Press the II button on the remote control to pause the playback. Press again to resume the playback.

FAST PLAYBACK

Press the ◀◀ and ▶▶ buttons to activate fast-forward or rewind.

Upon the times you press the ◀◀ or ▶▶ buttons, the searching speed may change by a different rate.

SLOW PLAYBACK

Press the SLOW button to activate slow forward play. Repeated pressing the SLOW button, will change the slow playback speed. During fast playback or slow playback, press the ENTER button to resume normal playback speed.

REPEAT

Use the REPEAT button to repeat a section. Use the A-B button to repeat section A to B. Press it once to set the starting point A, and twice to set the ending point B.

STOP

Press the STOP button to stop the playback, return to SmartNAVI menu. SmartNAVI Menu, the background record indicator lights on screen when background record is active. Press the STOP button to stop the record and display the remaining space and time. During recording playback, there is no search by time, program and zooming function of recorded video footage.

EDIT FUNCTION

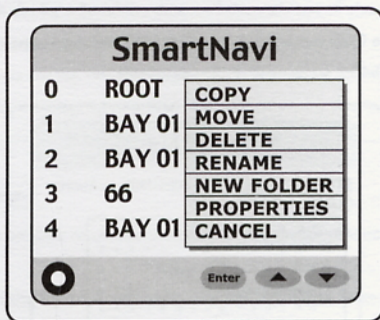
The menu allows the user copy, move, delete, rename, finalized file and view the recorded files properties as well as create new folders.

COPY RECORDED VIDEO

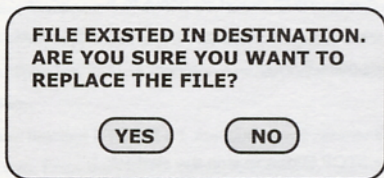
Use ARROW (▲/▼) buttons to highlight a folder that you want to place the copied file in, then press the MENU on the remote control to select the location as the target. The screen will then display "target dir set".

Use ARROW (▲/▼) buttons to move the highlighted area to the file you wish to copy.

Press the OSD button on the remote control, the screen will display as follow:



Use the \blacktriangle \blacktriangledown buttons to highlight the COPY and then press the ENTER. The screen will display as follow.



Use ARROW (\blacktriangleleft \blacktriangleright) buttons to select 'Yes' or 'No', press the ENTER to confirm your selection.

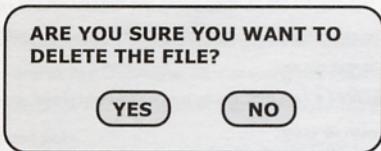
MOVE FILE:

The operation of moving file is the same as the operation of copying file.

DELETE FILE

Use ARROW (\blacktriangle \blacktriangledown) buttons to choose the file you wish to delete.

Press the 'OSD' button, highlight 'DELETE' and then press the 'ENTER'. The screen will display as follow:



RENAME FILE

Use ARROW (\blacktriangle \blacktriangledown) buttons to choose the file you wish to rename.

Press the OSD button, highlight RENAME and then press the 'ENTER'. The screen will display as follows:



Use ARROW (\blacktriangleleft \blacktriangle \blacktriangleright) buttons to select a letter, number or symbol and press the ENTER to input the selected digit.

Press the CLEAR button on the remote control to clear the last digit.

Press the STOP button on the remote control to finish this operation.

Press the RESUME button on the remote control to abort the renaming of the file..

Press the OSD to exit.

NEW FOLDER

1. Use ARROW(\blacktriangleleft \blacktriangle \blacktriangleright) buttons and the ENTER button choose the route of the folder you wish to set up.
2. Press the OSD button, highlight NEW FOLDER and then press the ENTER. The screen will display a keyboard of symbol.



3. Use ARROW (\blacktriangleleft \blacktriangle \blacktriangleright) buttons to select a letter, number or symbol and press the ENTER to input that digit.
4. Press the CLEAR button on the remote control to delete unwanted digits.
5. Press the STOP button on the remote control when finished the operation.
6. Press the RESUME button on the remote control to abort the operation.
7. Press the OSD to exit.

PROPERTIES

Use ARROW (▲ ▼) buttons and the ENTER button to select a file.

Press the OSD button, highlight PROPERTIES, and then press the ENTER button to confirm. The screen will display video details e.g. title, number, date and time.

CANCEL

Press the OSD button, highlight CANCEL and then press the ENTER button to exit.

NOTE:

1. Using SmartNAVI menu, you can press the ANGLE button to access to LIVE VIDEO mode.
2. In SmartNAVI menu, when the video files are highlighted, the browser screen will preview the video clip, on the right of the screen.
3. In the SmartNAVI mode, the indicator at the left bottom of the screen lights during background recording. Press the STOP button to stop recording this will display the remaining time simultaneously.

LIVE VIDEO

Before operation please refer to the earlier pages on setting up and connecting the Hard drive Recorder.

1. Use ARROW (▲ ▼) buttons on the remote control to highlight the Live Video, and then press the ENTER button to confirm.
2. To stop the live video press the STOP button on the remote control.

NOTE:

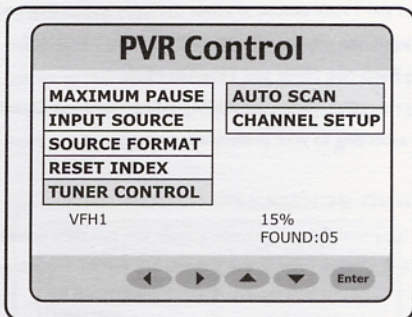
While the Live video is running the Preference and PVR Control menu options are inaccessible.

TUNING

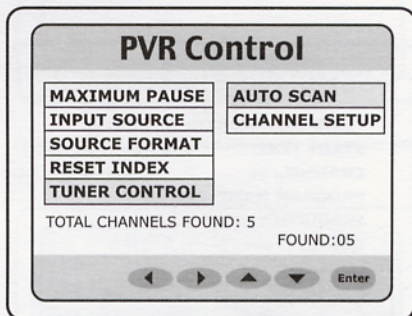
1. Select Tuner Control in PVR CONTROL menu.
2. Press the ENTER button, and select AUTO SCAN.
The Tuning will then scan the UHF input and store the channels detected.

In the process of searching for television stations, there are three bands of tuning: VFH1, VFH3 and UFH.

The screen will display as following:



When the tuning is completed, the screen is display as following:



The tuned TV stations will then be stored.

- To view these stored stations Select the Tuner Control in the PVR menu and press the ENTER button.
- Using the ▲ ▼ arrow buttons and select the CHANNEL SETUP option

This will display a list of the detected channels not all channels may be required due to repeated broadcasts.

If channels are not required place a **X** next to them in the menu, this is done by highlighting them and using the ▲ ▼ buttons and pressing the enter buttons.

NOTE:

It is not possible to change the order of the preset channels

While in the RF mode and using the LIVE VIDEO to record use arrow ▲/▼ buttons or number to select the required channels

- The tuned Television Stations will be memorised when the unit is switched off.

Press the TV/AV button to select the input mode, if there is no signal input, the screen will display: "NO INPUT SIGNAL".

Setting Recording Mode and Timeshift Mode

Before recording, please set the Recording Mode and Timeshift Mode according to your preference.

SETTING SCHEDULED RECORDING

If you have tuned the TV channels, now you can set a scheduled recording. (Please refer to the appropriate section regarding tuning.)

1. Before scheduled recording, please input some relevant information in SETUP PROGRAM TIMER.



2. Use ARROW \leftarrow \rightarrow \uparrow \downarrow buttons and the ENTER button to set time, channel and recording quality.
3. Use ARROW (\leftarrow \rightarrow) buttons to select "CONFIRM" and press the ENTER to confirm it.
4. Repeat the above steps to do more schedules.

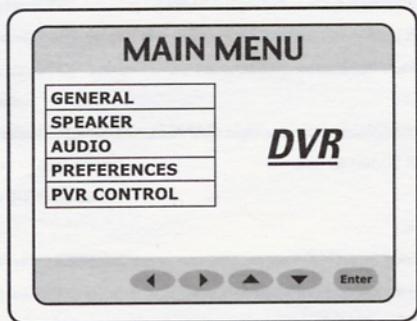
MODIFY SCHEDULED RECORDING

If you want to change the scheduled recording, please select EDIT RECORD in PVR CONTROL SETUP menu.

- If the power is cut off during recording, when you reset it, the player is in scanning status. Press the STOP button before doing other operation.

SETUP MENU

Select Setup Menu and press the ENTER button to confirm. You will be presented with the screen as shown in the below.



NAVIGATING THE MENU

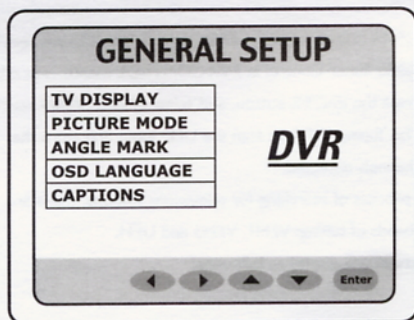
The remote controls ARROW buttons \leftarrow \rightarrow \uparrow \downarrow and ENTER buttons are used to navigate the menu and select specific settings. Use the \uparrow \downarrow buttons to move the cursor to highlight the desired submenu, and then press the \rightarrow button to enter the highlighted menu. The current setting is highlighted.

- If you wish to change this setting, use the \uparrow \downarrow buttons to select a new setting and press the ENTER button. Press the \leftarrow button to return to the left submenu column. Press the SETUP button to exit the Setup menu. Any new settings will be activated immediately.

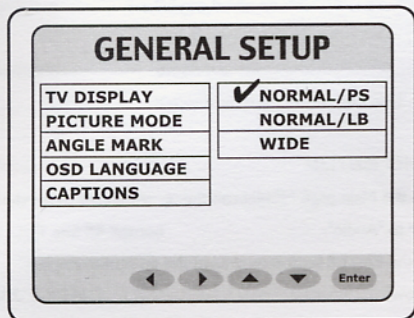
GENERAL SETUP

From the TOP MENU use the \uparrow \downarrow buttons move the cursor to Setup and press enter to confirm The Access the General menu setting by pressing the ENTER button again.

The screen will then be displayed as below.



Press the ENTER button to display the screen shown below:



TV DISPLAY

Supports Normal/PS, Normal/LB and Wide aspect ratios. Select the appropriate size screen for your television.

PICTURE MODE

Select your desired picture mode.

ANGLE MARK

Some chapters in some DVD discs have the option of viewing scenes from different angles.

If the angle mark is set to ON, then there will be a multi-angle mark displayed on the screen when multi-angles become available. During DVD playback you can use ANGLE button to view different shots of the same scene. If the angle mark is set to be "OFF", then there will be no angle mark on the screen during playback.

OSD LANGUAGE

There are two kinds of different On Screen Display Menu languages for selection. You can select it according to your preference.

CAPTIONS

Some DVD discs have hidden captions. You can turn on or off the hidden captions by using this menu.

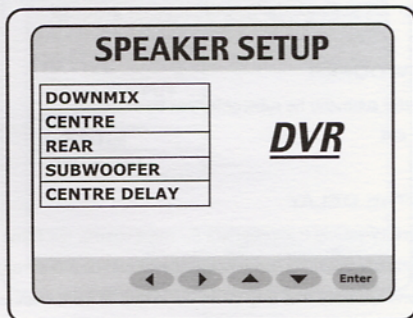
SCREEN SAVER

This function places a moving image onto the screen if no changes or action has taken place on screen within 60 seconds.

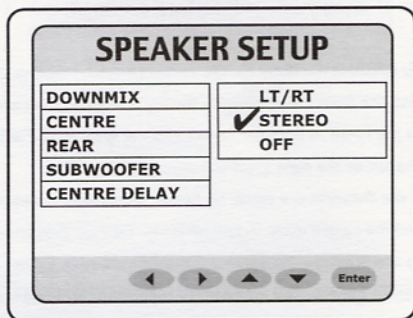
This is to protect the television screen. This feature can be switched on or off using the setting.

SPEAKER SETUP

1. From the MAIN PAGE Use the \blacktriangle \blacktriangledown buttons move the cursor to "SPEAKER".
2. Press the ENTER button to enter the SPEAKER SETUP menu as shown below.



3. Press the ENTER button to display on the screen shown in the diagram below:



Ensure the Stereo is selected with a tick for use with the SCART connection.

DOWNMIX

Selecting "LT/RT" in the 'Downmix' this will alter the audio output to a mixed Dolby output.

By selecting 'Stereo' in the 'Downmix' menu the player will output a common stereo signal.

By selecting 'Off', the player will alter the 5.1 CH audio outputs (now the setup of the centre speaker and the rear speaker settings are effective).

CENTRE

When 'Downmix' is in 'Off' status, you can set 'Centre' to 'Large', 'Small' or 'Off' to match the type of speaker connected.

REAR

When 'Downmix' is in 'Off' status, you can set Rear to Large, Small or Off to match the type of speakers connected.

SUBWOOFER

Using this submenu the subwoofer can be switched On or Off.

CENTRE DELAY

The factory setting is appropriate for most rooms, but some installations create an uncommon distance between the front and surround speakers that may cause the arrival of front channel sounds to become disconnected from surround channel sounds. This player includes a separate setting for the centre channel delay mode, since the discrete nature of these signals makes the location of the centre channel speaker more critical.

1. To calculate the delay for the centre channel, measure the distance from the preferred listening position in the centre of the room to both the centre channel speaker and either the left or the right speaker.
2. If the distances are equal, no further adjustment is required and the centre delay should be set to 'OFF'. If the distance to the front speaker is greater than the distance to the centre speaker, you may wish to reposition the speakers by moving the front left and front right speakers closer to the listening position or the centre speaker further away from the listening position.
3. If the reposition of the speakers is not possible, adjust the centre delay time, adding one mill-second of centre channel delay for every 30 cm closer to the listening position the centre speaker is than the front speakers. (For example, if the front left and front right speakers are 3m from the listening position and the centre channel speaker is 2.4 m away, the delay is figured as $300\text{ cm} - 240\text{ cm} = 60\text{ cm}$, suggesting an optimal centre delay of 2 milliseconds.)
4. To change the delay setting, press the (▲ ▼) buttons to select 'Centre', press the ENTER or (▶) to move the cursor to the right of the screen. Adjust the delay with the (▲ ▼) buttons. Once done, press the ENTER and (▼) to set the delay for the rear speaker.

TEST TONE

When 'Downmix' is in 'Off' status and there is no disc loaded, this function is available to test the speakers

Line Out

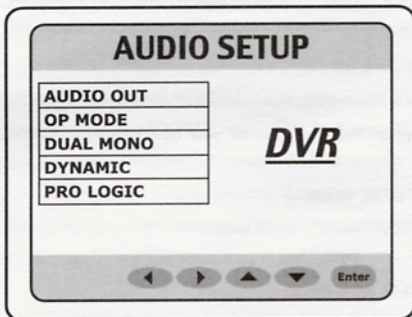
RF

Either 'Line Out' or 'RF' can be selected.

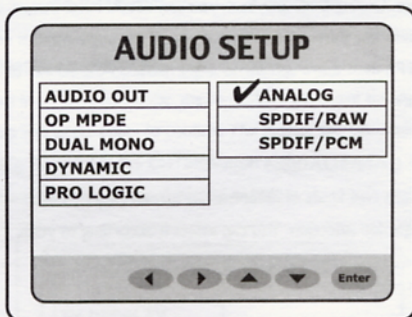
AUDIO SETUP

From the Main page MENU use the ▲ ▼ buttons move the cursor to "Audio".

Press the ENTER button to change the on screen display as below:



Press the ENTER button to display on the screen shown below:



AUDIO OUT

| | |
|------------|--|
| Analog: | Normal playback. |
| SPDIF/RAW: | When you connect with an amplifier with Dolby Digital decoder. |
| SPDIF/PCM: | When you connect with a 2 Channel digital stereo amplifier. |

OP Mode

There are two modes for your selection.

LINE OUT and RF Remod

DUAL MONO

This function is used to set audio output: Stereo, L-Mono, R-Mono and Mix-Mono.

DYNAMIC

The Dynamic Range Compression can be turned off by selecting 'OFF' from the submenu, or set to full compression by selecting 'FULL'. There are also intermediate levels of compression available for selection.

PRO LOGIC MODE

If you have a Dolby Pro Logic Surround decoder connected to this player's analog Audio Out connectors, thanks to the functions of this player you will obtain the full benefit of Pro Logic from the same DVD movies that provide full 5.1 channel Dolby Digital soundtracks, as well as from titles encoded with Dolby Surround.

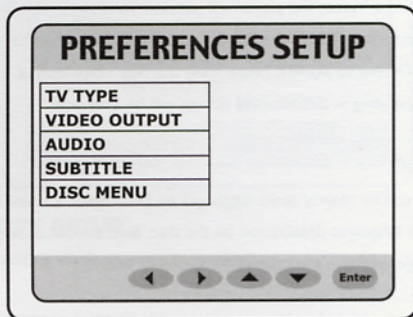
PCM Output

You can select '48k', '96k'.

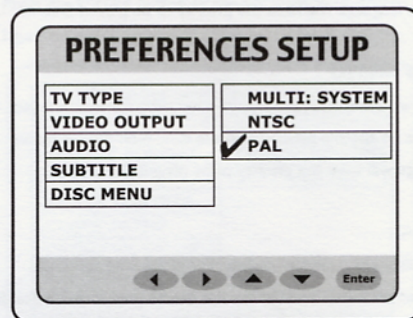
PREFERENCES SETUP

From the Main page MENU use the ▲ ▼ buttons move the cursor to "Preferences".

Press the ENTER button to change the on screen display as below:



Press the ENTER button to display the screen shown below:



TV TYPE

Different countries have different TV systems. You can select relevant video system according to the TV system in your area.

- In the UK the the Television system is PAL and the sound channel is I

If your TV is with a multi-system, then it is suggested that the menu is set to be "MULTI" which means the video system will be the same as the disc.

VIDEO OUTPUT

This player provides multiple output connections for various video devices, but to optimise video quality, it is not possible for all of the connectors to work at same time. Make sure that the player's settings match the connections available on your TV. If you select S-Video, the player will provide S-Video output via the S-Video socket. To use the SCART output, you must set the Video Output to SCART. Note: Only the rear video output corresponding to the selected setting will be activated.

AUDIO

There can be several audio languages on DVD discs. If there is no specific languages prescribed on the disc, then the set audio language will have the priority to be played first.

SUBTITLE

There can be several subtitled languages on a DVD discs. If there is no specific subtitle language prescript on the disc, then the set subtitle language will have the priority to be played first.

DISC MENU

There are several multi-language menus on some DVD discs. If there is no specific prescript on the disc, then the set menu language will have the priority to be played first.

LOCAL

DVD discs are coded by region. These regional codes are intended to match in order for the disc to play. If the codes don't match, the disc should not play.

PARENTAL

Some discs have a parental control function. It divides the disc into several levels to suit for different ages. This item can be used to limit the playing level of the DVD player. If you want to enter the setup, the password should be set to be "OFF".

PASSWORD

The password of the player is 3308.

However you may change it according to your preference.

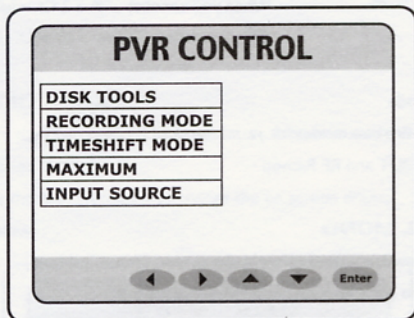
To do this

1. Press the number buttons to input the old password (3308).
2. Press the number buttons to input the new password.
3. Press the number buttons to input the new password again to confirm.
4. Press the ENTER button to exit.

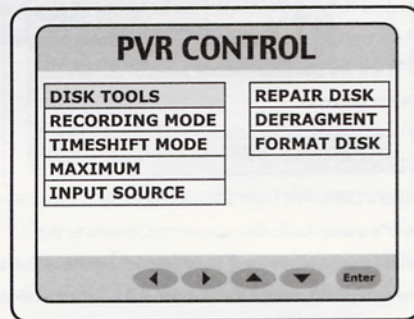
PVR CONTROL

Use the (▲ ▼) buttons move the cursor to "PVR Control" and press the ENTER button

The television will display the menu below.



Press the ENTER button to enter the Disk Tools.



DISK TOOLS

This setting has up to 3 selections, these are:

1. Repair Disk: Allows you to repair the disk.
2. Defragment: Allows you to defragment the disk.
3. Format Disk: Allows you to format the disk.

(On some models you may not get the option to defragment the disk as the unit will automatically carry out this operation with no need for user input.)

NOTE:

Please note that all data in the HDD will be lost after you format the disk.

After formatting, the player will reset automatically

RECORDING MODE

The user can select the four kinds of recording mode, that is XP (High quality), SP (Normal), LP (Long Play) and EP (Extra Long Play).

The higher quality, the more space needed for storage on the hard drive.

TIMESHIFT MODE

The user can select the four kinds of timeshift mode.

These are:

XP=(High quality, up to 13hrs recordable space),

SP=(Normal), LP=(Long Play)

and EP=(Extra Long Play, up to 30hrs recordable space).

MAXIMUM PAUSE

There are up to 5 selections:

5 mins, 10 mins, 15 mins, 20 mins and 25 mins.

To set the maximum pause use ARROW (▲/▼) buttons.

This will select the maximum time the Hard drive recorder will pause for, while in the Live Video status.

INPUT SOURCE

This player provides multiple input connectors for various video devices, but to optimise video quality, all of the connectors cannot work at same time. Make sure that the player's settings match the connections available on your TV. If you select S-Video, the player will provide S-Video input via the S-Video socket. To use the SCART input, you must set the Input Source to Scart In. Note that only the rear video input corresponding to the selected setting would be activated.

SOURCE FORMAT

There two type of source format for your selection:

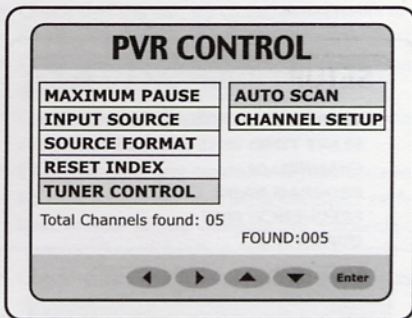
AUTO or SECAM.

RESET INDEX

When a program is being recorded, the system will set the program recorded as to "BAYNNN" automatically, among which, the "NNNN" will serve as number 000-999, that means the system will use the manner of add one to name items as bay000, bay001... bay999. If the "Rest Index" function is effective, then from now on, the system will start to name the programs recorded as beginning with bay000 automatically, but the names of the previous programs recorded will keep no change.

TUNER CONTROL

There two type of Tuner controls for your selection: Auto Scan or Channel Setup. Before enter the Live Video please select the auto scanning to store some TV channels.

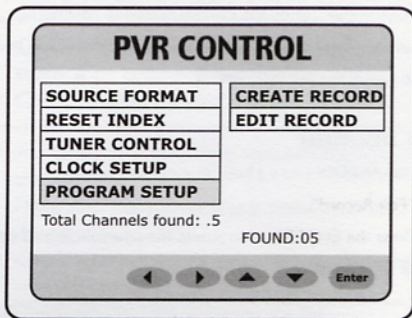


CLOCK SETUP

This setting allows you to set the clock.

PROGRAM SETUP

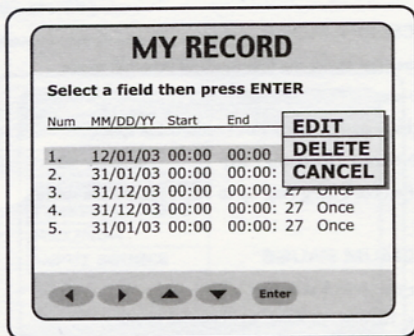
1. Use ARROW(▲/▼) buttons move the cursor to "PROGRAM SETUP".
2. Press the ENTER button to the program setup screen as figure below:



Press the ENTER button to display the menu on the television screen as shown below:



you may edit the scheduled recording, delete it or cancel to exit this sub menu.

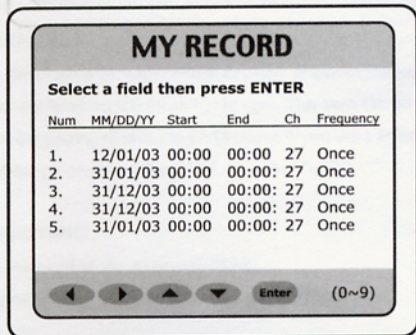


CREATE RECORD

1. Use ARROW (◀▶) button to move the cursor and use the numbers button to input the number. You can also use ARROW (▲▼) buttons to change the content of the highlighted text.
2. After setting, use ARROW (◀▶) buttons move the cursor to "CONFIRM", press the ENTER button to confirm the setting. If you choose "CANCEL", press the ENTER button to cancel the setting.

EDIT RECORD

1. Use ARROW (▲▼) buttons move the cursor to "Edit Record".
2. Press the ENTER button access the schedule record settings as shown below.



3. Press the 3 button to return to the last menu.
4. Press ARROW (▲▼) buttons to highlight the item you wish to edit.
5. Press the ENTER button to bring up on screen menu where

| SYMPTOM | CHECK |
|---|---|
| The player does not play discs. | <ul style="list-style-type: none"> • Check that the disc tray is closed properly? • Check that there is a disc loaded? • Check whether the disc has been loaded upside down? • Check whether the disc and the player's region codes match up. • Check whether any condensation has occurred. If so, remove the disc and leave the player on for at least an hour to help dissipate the condensation. |
| No sound. | <ul style="list-style-type: none"> • Check whether the system has been connected correctly. • Is the power to the speakers turned on. • Is the sound setup of the DVD disc correct? • Is the disc warped or dirty? If so, try cleaning the disc. |
| No picture. | <ul style="list-style-type: none"> • Check whether the TV is turned on and in the correct video mode. • Check whether the system has been connected together correctly. |
| Poor AV performance. | <ul style="list-style-type: none"> • Check whether the disc is dirty or warped. |
| Cannot continue to play a section repeatedly. | <ul style="list-style-type: none"> • Check to see if the disc/player is in A-B repeat status. If so, press A-B button to cancel this. • Check whether the disc is dirty or warped. |
| Remote control not working. | <ul style="list-style-type: none"> • Are there any obstructions between the remote and the player? • Make sure that the remote is pointing directly at the player. • Check whether the remote's batteries have been inserted correctly. • Check whether the batteries are flat. |
| Hard Drive Recorder freezes. | <ul style="list-style-type: none"> • Switch off and unplug. Allow the unit to reset. Then reconnect the power and turn the unit back on. |

NOTES:

Static or other external interference may cause the abnormal operation of the player. In this circumstance, unplug the power-supply cord from the power outlet and plug it in again to reset the player so normal operation will be resumed. If you are still having problems, then please disconnect the power and consult your service centre or a qualified technician.

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 authorised by Macrovision Corporation, and is intended for home and other limited viewing uses only unless otherwise authorised by Macrovision Corporation. Reverse engineering or disassembly is prohibited.

SPECIFICATIONS

| | | |
|----------------------------|------------------------------|---|
| Disc formats supported | | DVD, CD, MP3, JPEG, CD-R, CD-RM |
| Regional Code | | |
| Laser Wavelength | | Wavelength: 780/650nm |
| Video System | | AUTO SECAM |
| Frequency Response | | 20Hz, 20KHz \pm 2.5dB |
| Audio Signal-to-noise-rate | | \geq 85dB |
| Audio distortion + noise | | \leq -70dB, 1KHz |
| Channel separation | | \leq 70dB, 1KHz |
| Dynamic Range | | \leq 80dB, 1KHz |
| Audio Out | Analog Audio Out | Out level: $2 \pm 0.2/1.0$, Load 10Ω |
| | Digital Audio Out | Coaxial: Out level: $0.5V_{p-p}$ Load 75Ω Optical: -21dB, -15dB |
| Audio In | Analog Audio Out | Out level: $2 \pm 0.2/1.0$, Load $10K\Omega$ |
| Video Out | Video Out | Out level: $1V_{p-p} \pm 0.2$, Load 75Ω Unbalanced negative |
| | S-Video Out | Out level: Y: $1V_{p-p}$, C: $0.286V_{p-p}$ Load: 75Ω |
| Video In | Composite Video In | Out level: $1V_{p-p} \pm 0.2$, Load: 75Ω Unbalanced negative |
| | S-Video In | Out level: $1V_{p-p}$, C: $0.286V_{p-p}$ Load: 75Ω |
| | RF Signal Input | Out level: Y: $1V_{p-p}$, Load: 75Ω |
| Power | AC100-240V, 50/60Hz | |
| Power Consumption | \leq 45W | |
| Storage of HDD | 40Gb | |
| Dimensions | 430mm x 55mm x 300mm (WxHxD) | |
| Operating Temperature | +2° +40° | |
| Weight | Approx' 4.5Kgs | |

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