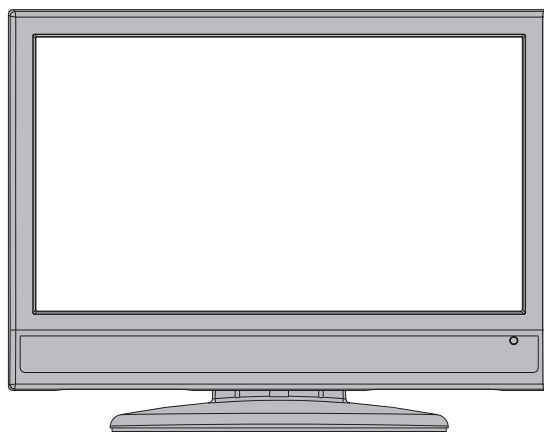




linsar

16LVD5

OPERATING INSTRUCTIONS



COLOUR TELEVISION WITH INTEGRATED DVD PLAYER




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Features

•General Properties

- DVD / VCD / CD / CD-R / CD-RW / MP3 / JPEG / MPEG.
- USB & MC inputs.
- NTSC/PAL playback (according to disc content)
- User-friendly multilanguage OSD menu control.
-  **DOLBY DIGITAL**, LPCM audio via coaxial and optical digital audio outputs. (optional)
- Multiple Aspect Ratio support (16:9 Widescreen, 4:3 Letterbox, 4:3 PAN & SCAN)
- Multi-Audio (up to 8) support (According to disc content)
- Multi-Subtitle (up to 32) support (According to disc content)
- Multi-Angle (up to 9) support (According to disc content)
- 8 level parental control
- Fast forward and rewind in 5 different speeds. (2x, 4x, 8x, 16x, 32x)
- Slow motion playback in 4 different speeds. (1/2x, 1/4x, 1/8x, 1/16x forward)
- Frame by frame forward playback.
- Time Search
- Repeat
- A B repeat
- Program function for Audio CD, MP3 and JPEG.
- Coaxial & Optical digital audio outputs (optional)
- Copied disks may be incompatible.

Note:

- *** This DVD player may not support some MP3 recordings due to differences in recording formats or disc type.
- *** Please read the owner's manual about MP3 playback.
- *** CD-R/CD-RW discs recorded by CD-DA method can be played. Some CD-R/CD-RW discs may be incompatible due to laser pick-up and disc design.

*** Some VCD/SVCD discs may be incompatible.

*** DVD-R/RW discs recorded by DVD-Video method can be played. Some DVD-R/RW discs may be incompatible due to laser pick-up and disc design.

*** Some discs may be incompatible with JPEG Viewer function due to different recording format or condition of the discs.

About this Manual

Safety Information

CAUTION

DVD Player is a class 1 laser product. However this product uses a visible laser beam which could cause hazardous radiation exposure. Be sure to operate the player correctly as instructed.

CLASS 1 LASER PRODUCT

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

RISK OF ELECTRIC SHOCK



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock of persons.

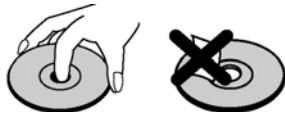


The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

Notes on Discs

On handling discs

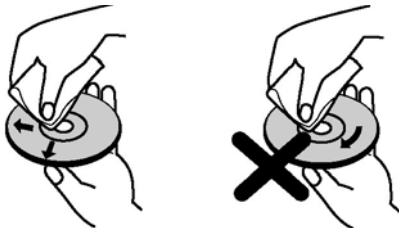
- To keep the disc clean, handle the disc by its edge. Do not touch the surface.
- Do not stick paper or tape on the disc.
- If the disc is contaminated with any substance like glue remove before using it.



- Do not expose the disc to direct sunlight or heat sources such as hot air ducts, or leave it in a car parked in direct sunlight as the temperature can rise quickly and damage the disc.
- After playing, store the disc in its case.

On cleaning

- Before playing, clean the disc with a cleaning cloth. Wipe the disc from the center out.



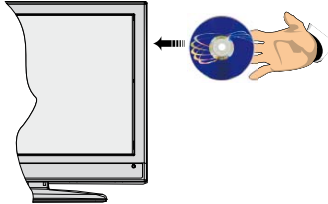
- Do not use solvents such as benzine, thinner, commercially available cleaners or anti-static spray intended for vinyl LPs.

Licence Notification

- 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.

How to Watch a DVD

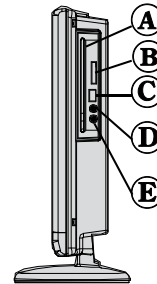
When placing a disc into the loader, labeled side of the disc should be on the front:



When TV set is turned on, first switch to DVD source by using the **SOURCE** button on the remote control. Press play on the remote control, or directly press play button at the front panel. If there is no disc inside the loader, place a DVD first and press play.

Note: You can get DVD source output via scart socket.

DVD Control Panel Buttons



A. Disc loader

B. Memory card slot

C. USB input

D. Play / Pause

Plays/pauses the disc. When DVD menu (root menu) is active, this button functions as "button select" (selects the highlighted item in menu) if this is not prohibited by the disc.

E. Stop / Eject

Stop playing disc / Eject or Load the disc

Note:

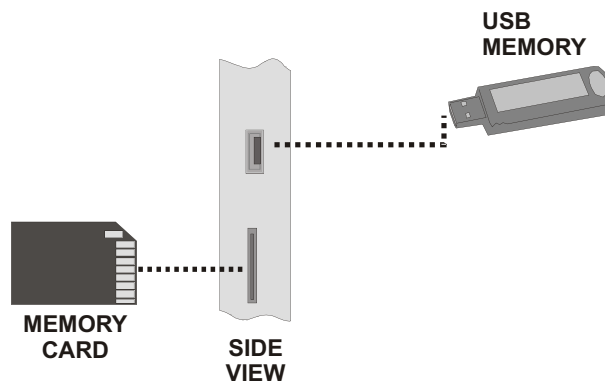
- You cannot eject the disc via the remote control.

- While playing a file, you should press STOP button three times to eject.

Using Digital Multimedia Connectors

- Use SWAP button on the remote control to switch between USB and memory card.
- You can connect USB/MC devices to your TV by using USB or MC input of the TV. This feature allows you to display/play files stored on a USB device or a MC card.
- It is possible that certain types of USB devices (MP3 Players) or Multimedia Card interfaces may not be compatible with this TV.
- You may back up your files before making any connections to the TV set in order to avoid any possible data loss. Note that manufacturer will not be responsible for any file damage or data loss.
- Do not pull out USB module or MC card while playing a file.

CAUTION: Quickly plugging and unplugging USB devices, is a very hazardous operation. Especially, do not repeatedly quickly plug and unplug the drive. This may cause physical damage to the USB player and especially the USB device itself.



MC Card Connection

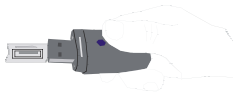
- Insert the MC card into the Memory Card Input of the TV. Make sure the gold contact area faces up. The card is designed to fit easily into the system one way only. Do not bend the card or force it into the slot. Insert only one card at a time.
- When you want to eject the card, do not grab the card all at once. Push to the card gently. Then it will pop out.

USB Memory Connection

- Plug your USB device to the USB input of the TV.

Note: USB hard drives are not supported.*

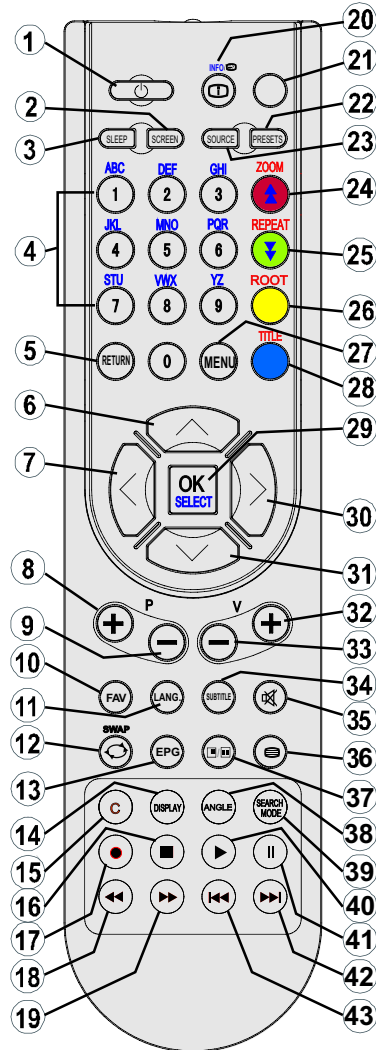
- It is recommended that you connect your USB device directly to the USB input of the TV. Some compatibility problems may occur if you use a separate cable connection..



Note: While in DVD mode, MEDIA screen will be displayed automatically when you plug USB or insert a valid memory card.

Overview of the Remote Control

1. Standby
2. Image size
3. Sleep timer
4. Numeric buttons
5. Return
6. Cursor up
7. Cursor left
8. Programme up
9. Programme down
10. No function in DVD mode
11. Audio-Language selection
12. Swap / DVD media selection
13. No function in DVD mode
14. Display time / DVD menu
15. Clear
16. Stop
17. No function
18. Rapid Reverse
19. Rapid advance
20. Info
21. No function
22. Picture mode selection
23. Source selection
24. Zoom
25. Repeat
26. Root
27. Menu
28. Title
29. OK / Select
30. Cursor right
31. Cursor down
32. Volume up
33. Volume down
34. Subtitle
35. Mute
36. No function in DVD mode.
37. No function
38. Angle
39. Search mode

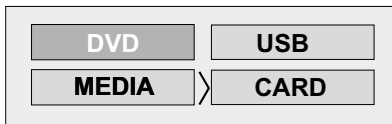


40. Play
41. Pause / Play
42. Skip next
43. Skip previous

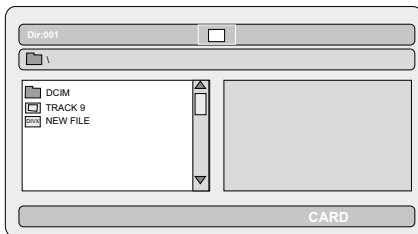
USB & MC Modes Playback

Switch to DVD source by using the **SOURCE** or **PLAY** button on the remote control.

You can connect both USB and MC sources to your TV at the same time. Press **SWAP** button on the remote control to list, available inputs are listed on a menu screen.



Select the desired input by using the cursor button and then press **OK** button to view contents. After **OK** button is pressed, the following screen (depending on the make and contents of the device) will appear after a short while:



You can view or play contents of your device by using the related remote control buttons. See, General Control Buttons for Media Mode and Control Buttons for Video Playback.

Note:

- Whenever you press the **SWAP** key, available media sources will be listed.
- If there is an active playback, you have to press **STOP** button first and then **SWAP** key to list available **DMP** inputs.
- If you have plugged only one source, then only that source will be available to be selected.
- Do not pull out the **MC** module while playing a file.
- It is possible that certain types of **MC** or **USB** devices may not be compatible with this TV.

General Control Buttons for Media Mode

OK / SELECT > **Enter/View**

▼ / ▲ > **Highlight an item**
by moving up or down.

▶ > **Play**

⏸ > **Pause**

■ > **Stop**

RETURN > **Media source selection.**

Control Buttons for Playback

◀/▶ > Rapid reverse / rapid advance/ .

SEARCH > Search for a specific time.

DISPLAY > Displays time.

ZOOM > Zooms picture.

Picture Playback

◀/▶ > Previous - next picture.

◀/▶ > Rotate picture

REPEAT > Displays repeat options.

ZOOM > Zooms picture.

ROOT > Go back to root folder.

DVD Playback

Basic Play

1. Press on the power button
2. Please insert a disc to the loader.

The disc will be automatically loaded and play commences if the disc does not have any menus recorded on it.

A menu may appear on the TV screen after a few moments or the film may start immediately after the introduction of the Film Company. This behaviour depends on the disc content and may change.

NOTE: Step 3 and 4 is available only when a menu is recorded on the disc.

3. Press “▼” / “▲” / ◀ / ▶ or the number button (s) to select the preferred title.

4. Press **SELECT**.

Play of the selected items now starts. The played item may be a motion picture, a still picture or another submenu depending on the disc.

For your reference:

If an action corresponding to a button is prohibited the “⊘” symbol appears.

Stopping Play

Press stop (■) twice (only for videos).

To stop the play permanently, press STOP (■) twice. When the STOP (■) button is pressed for the first time, a message "PRESS PLAY KEY TO CONTINUE" will appear on the screen to remind you if you want to continue the play. To stop the play, press the STOP (■) button again or you can press **SELECT** to continue.

Stopping Play and Returning To The Menu Screen

(When a menu is available on the disc)

Press **MENU** or **TITLE** button depending on the disc. Play is suspended, and the Disc menu screen is displayed.

Rapid Advance (Rapid Reverse)

Press SEARCH/SLOW (▶▶) on the remote control during play.

Normal play is resumed when the SELECT button or PLAY/PAUSE (▶||) button is pressed.

The speed of advance (▶▶ 2x, ▶▶ 4x, ▶▶ 8x, ▶▶ 16x, ▶▶ 32x) or reverse (◀◀ 2x, ◀◀ 4x, ◀◀ 8x, ◀◀ 16x, ◀◀ 32x) changes for every press of the ▶▶ or ◀◀ button.

Note: No sound will be heard during Rapid advance or Rapid reverse.

Skipping Ahead or Back to Chapters

Skipping ahead

Press SKIP/ FRAME (▶▶▶) on the remote control during play.

A chapter is skipped forward each time the button is pressed.

Skipping back

Press SKIP/ FRAME (◀◀◀) on the remote control during play.

When the button is pressed once midway through a chapter, play returns to the previous chapter.

Still Picture (PAUSE)

Press PAUSE (||) once during play.

The screen freezes.

To return to normal play press PLAY (▶).

Frame Advance (STEP FORWARD)

Press PAUSE (||) once during play.

The screen freezes.

Press SKIP/ FRAME (▶▶▶) on the remote control.

The next frame of the movie is displayed.

You can press SKIP/ FRAME (▶▶▶) for the following frames.

To return to normal play press PLAY (▶).

NOTE: Reverse stepping is not available.

Slow - motion Play Forward

Press PAUSE (||) once during play.

The screen freezes.

Press SEARCH/SLOW (▶▶) on the remote control.

The unit starts playing the movie at four different speeds (▶▶ 1/2, ▶▶ 1/4, ▶▶ 1/8 and ▶▶ 1/16).

You can increase or decrease the speed of the slow-motion play by pressing SEARCH/SLOW (◀◀ or ▶▶).

The speed of slow motion play is displayed on the screen each time you change it.

To return to normal play, press PLAY (▶).

NOTE: No sound will be heard during Slow motion play.

NOTE: Reverse slow motion play is not available.

Direct Selection of Scenes

Selecting Scenes by Chapter Number

Press **SEARCH MODE** on the remote control once during playback.


The chapter/title search box is displayed on the screen. You can see the currently playing and total number of chapters in right hand side of the display bar as -- / xx.

Enter the number of the chapter using number buttons.

The selected chapter is played just after you enter the chapter number.

For your convenience:

- If the chapter number you entered is between 0 and 9, player will automatically jump to the related chapter.
- You can clear the field by pressing the **C** button if you enter a wrong number.
- If you attempt to enter a number greater than the total number of chapters on the current

title, the search box disappears and “ Input Invalid” message is displayed on screen.

- If you wait five seconds without pressing any key for selecting scenes by chapter number, the operation is cancelled.
- You can press RETURN key to cancel title search.

Selecting Scenes by Title Number

Press SEARCH on the remote control once during playback.

The chapter/title search box is displayed on the screen. You can see the currently playing and total number of titles in left hand side of the display bar as -- / xx.

Enter the number of the title using the numeric buttons.

The selected title is played just after you enter the title number.

Selecting Scenes by Time

You can view the DVD starting from any time point you want.

Press SEARCH MODE on the remote control “twice” during playback.

The time search box is displayed on the screen as Title **xx/xx Time** -- : -- : --.

Enter the time using number buttons.

The title is played beginning from the desired time just after you enter the time. If not prohibited by the DVD.


Press SEARCH MODE on the remote control “three times” during playback.

The time search box is displayed on the screen as Chapter **xx/xx Time** -- : -- : --.

Enter the time using number buttons.

The Chapter is played beginning from the desired time just after you enter the time. If not prohibited by the DVD.

For your convenience:

- You can clear the fields by pressing the C button if you enter wrong numbers.
- If you attempt to enter a number greater than the total time of the current title, the time search box disappears, “ Input Invalid” message is displayed on screen.

- If you wait five seconds without pressing any key to enter time, selecting scenes by time option is cancelled.

- You can press RETURN key to cancel time search.

Convenient Functions

Displaying the time information

Press DISPLAY during play.

Some information is displayed on TV screen to indicate the current status of the disc. On the display screen you can find the following information lines:

Line 1: Time Counter Mode

Line 2: Title Number, Chapter Number, Time Counter

Line 3: Audio Number, Audio Format, Number of Output Channels, Audio Language

Line 4: Subtitle Number & Subtitle Language

Time counter modes can be selected by pressing INFO key consecutively.

The sequence for time counter modes is as follows: TITLE ELAPSED, TITLE REMAIN, CHAPTER ELAPSED and CHAPTER REMAIN.







- If “TITLE ELAPSED” is displayed, the elapsed time for the title is being displayed.
- If “TITLE REMAIN” is displayed the remaining time for the title is being displayed.
- If “CHAPTER ELAPSED” is displayed, the elapsed time for the chapter is being displayed.
- If “CHAPTER REMAIN” is displayed, the remaining time for the chapter is being displayed.

Pressing the DISPLAY key for the second time closes display menu screen. “DISPLAY OFF” is displayed.

Displaying a scene with a larger and closer view

The ‘zoom in’ function enables you to take a closer look at the scene you are viewing that is especially an impressive function when you are seeing science fiction or adventure film.

Press ZOOM during play.

 "2X" is displayed on the screen and the picture is now larger. By pressing ZOOM key consecutively you can reach "" 3X", " 4X, " 1/2x, " 1/3x " 1/4x" modes.

NOTE: You can move in the picture, i.e. change the zoomed location, by using the "◀" (Left) or "▶" (Right) / "▼" (Down) / "▲" (Up) arrow keys.

To return to normal play

Press ZOOM again.

Displaying / Changing Subtitle Language

It is possible to change the subtitle language from the one selected at the initial settings to a different language, if available.

(This operation works only with discs on which multiple subtitle languages are recorded.)

Press SUBTITLE during play.

When no subtitles are recorded "⊗" will be displayed instead of the selected language.

Press SUBTITLE a number of times until the preferred language is selected.

When this button is pressed once, the first subtitle recorded on the disc will display. The rest of the subtitles recorded will display in sequence for every press of the SUBTITLE button

NOTE:

<?> In some cases, the subtitle language is not changed immediately to the selected one.

For your convenience:

- When the preferred language is not selected even after pressing the button several times, it means that the language is not available on the disc.
- When the player is restarted or the disc is changed, the subtitle selection is automatically changed back to the initial settings.
- If a language is selected, which is not supported by the disc, the subtitle language will automatically be set to the disc's priority language.
- Usually a circulation will happen while switching to another language, that is you can cancel the subtitle by pressing this button a

number of times until "Subtitle Off" appears on the screen.

Changing Audio Soundtrack Language

It is possible to change the audio language from the one selected at the initial settings to a different language, if available.

(This operation works only with discs on which multiple audio soundtrack languages are recorded, if not prohibited by the DVD.)

Press LANG. during play.

Press LANG. a number of times until the preferred language is selected.


For your convenience:

- When the preferred language is not selected even after pressing the button several times, it means that the language is not available on the disc.
- When the power is turned on or the disc is removed, the language heard is the one selected at the initial settings. If this language is not recorded on the disc, only the available language on the disc will be heard.

Viewing From Another Angle

Some DVD discs may contain scenes, which have been shot simultaneously from a number of different angles. For these discs, the same scenes can be viewed from each of these different angles using the ANGLE button.

The number of recorded angles differs depending on the disc used.

" y/x " is displayed shortly on the screen during playback. This indicates that the multi-angle scene has just started. From that moment on, the yth angle of total x angles is played and you can change the viewing angle until the end of the multi-angle scene.

- In SETUP menu, an 'ANGLE MARK' option exists, which, if enabled, will display a continuous angle mark on the screen as long as multi-angle scene is available.

Press ANGLE during play.

The current angle is changed.

Press ANGLE a number of times until the preferred viewing angle is selected.

- This function will only work on discs where different angles have been recorded.

Using a DVD Menu

Some DVD discs have unique menu structures called DVD menus. For example, DVDs programmed with complex contents provide guide menus, and those recorded with various languages provide menus for audio and subtitle language. Although the DVD menus' contents and operation differ from disc to disc, the following explains basic operation when this feature is used.

Press TITLE on the remote control.

The DVD menu available on the disc is now displayed.

NOTE:

- If you press MENU, the root menu of DVD is displayed.
- If you press TITLE, the menu of the current title is displayed.

Press “◀” / “▶” / “▼” / “▲” to select the preferred item.

Press SELECT.

The selected item is now executed.

For your convenience:

- You can also use number keys to select a DVD menu item. The player will automatically execute the item. To enter an item number which is more than 1 digit, press +10 key and then enter the item number.

NOTE:

- Some DVDs may not contain root and/or title menus.
- To resume the playback, select PLAY item in DVD menu.

Video CD Playback

Basic Play

- Please insert a disc to the loader.
- For Video CDs without playback control:
The disc loaded and play commences.
- For Video CDs provided with playback control:

A menu screen will appear on the screen after a few moments.

Menu Play

- This function works only with video CDs with playback control (version 2.0). Follow the instructions on the menu screen for interactive operations.
- The details differ depending on the disc concerned. Also refer to the instructions accompanying the disc.
- Press the number button(s) to select the preferred item.

The player now starts to play the selected item.

NOTE:

- Use +10 button to enter two-digit-numbers.
- “◀” / “▶” / “▼” / “▲” arrow buttons are not used for selecting items for video CDs.

What is playback control?

If a video CD has “playback control” written on the jacket of disc, it means that particular scenes or information can be selected for viewing interactive with TV screen using the menu screen.

NOTE:

- TITLE button is dedicated to PBC “playback control” during VCD playback. You can change PBC mode with TITLE button.
- For using Repeat Modes you need to switch off PBC manually.
- If you use Search mode, PBC automatically switches to OFF.
- PBC ON is default. Whenever you eject the CD it will be ON.

Stopping play

- To stop the play permanently, press STOP (■) twice. When the STOP (■) button is pressed for the first time, a message “Press Play Key To Continue” will appear on the screen to remind you if you want to continue the play. To stop the play, press the STOP (■) button again or you can press PLAY (▶) to continue.

Rapid Advance / Rapid Reverse

Press SEARCH/SLOW ◀◀ (or) ▶▶ on the remote control during play.

- Normal play is resumed when the SELECT button or PLAY (▶) button is pressed.

- The speed of advance (2x, 4x, 8x, 16x, 32x) or reverse (2x, 4x, 8x, 16x, 32x) changes for every press of the (or) button.

Note: No sound will be heard during Rapid advance or Rapid reverse.

Skipping Ahead or Back to Chapters

Skipping ahead

Press SKIP/ FRAME () on the remote control during play.

A track is skipped each time the button is pressed.

Skipping back

Press SKIP/ FRAME () on the remote control during play.

When the button is pressed once midway through a track, play returns to the start of previous track. When it is pressed again, a track is skipped.

Still Picture (PAUSE)

Press PAUSE () once during play. The screen freezes.

To return to normal play press PLAY () again.

Frame Advance (STEP Forward)

Press PAUSE () once during play. The screen freezes.

Press SKIP/ FRAME () on the remote control.

The next frame of the movie is displayed.

You can press SKIP/ FRAME () for the following frames.

NOTE: Reverse stepping is not available.

Slow- motion Play

Press PAUSE () once during play. The screen freezes.

Press SEARCH/SLOW () on the remote control.

You can increase or decrease the speed of the slow-motion play by pressing SEARCH/SLOW ((or)). There are 4 slow motion modes as 1/16, 1/8, 1/4, 1/2.

The speed of slow motion play is displayed on the screen each time you change it.

To return to normal play press PLAY () again.

NOTE: No sound will be heard during Slow motion play.

NOTE: Reverse slow motion play is not available.

Direct Selection of Scenes

Selecting Scenes by Time

You can view the video CD, starting from any time point you want.

Press SEARCH MODE on the remote control once time during playback.

The time search box is displayed on the screen as SELECT TRACK :__ / xx

Player goes to entered track of the disc.

Press SEARCH MODE on the remote control two times during playback.

The time search box is displayed on the screen as DISC GOTO:__: __ : __

Player goes to entered time of the disc.

Press SEARCH MODE on the remote control three times during playback.

The time search box is displayed on the screen as TRACK GOTO:__: __ : __

Player goes to entered time of the current track.

Enter the time using number buttons.

The title is played beginning from the desired time just after you enter the time.


For your convenience:

- If you attempt to enter a number greater than the total time of the current title, the time search box disappears and "Input Invalid" message appears on up-left corner of screen.
- If you give up entering the time simply press RETURN button, and the operation is cancelled.

Accessing tracks using number buttons:

You can play any track you want, just by pressing the corresponding number button.

For the track numbers which are greater than "9" use +10 button. Press this button once and then type the two digit track number.




If you attempt to enter a number greater than the total number of tracks on disc, “” message is displayed on the screen.

Repeat Play

Repeat Viewing

Press REPEAT during play.

Each time this button is pressed, a different repeat box is displayed on the screen.

- If “ All” is displayed, the whole disc will be played again.
- If “ Title” is displayed, the current title will be played again.
- If “ Chapter” is displayed, the current Chapter will be played again.

Convenient Functions

Displaying the time information

Press INFO during play.

Each time this button is pressed, a different time information box is displayed on the screen.

- If “Single elapsed” is displayed, the elapsed time for the title which is being played will be displayed.
- If “Single remain” is displayed, the remaining time for the title which is being played will be displayed.

NOTE: If PBC feature is set to OFF then two other time information modes are also available which are “Total elapsed” and “Total remain”.


- If “Total Elapsed” is displayed, the elapsed time for the disc is being displayed.
- If “Total remain” is displayed, the remaining time for the disc is being displayed.



Pressing the TIME key again closes display menu screen. “DISPLAY OFF” is displayed.

Displaying a scene with a larger and closer view

This ‘zoom-in’ function enables you to take a closer look at the scene you are viewing. This is especially an impressive function when you are watching science fiction or adventure film.

Press ZOOM during play.

“ 2X” is displayed on the screen and the picture is now larger. By pressing ZOOM key

consecutively you can reach “ 3X”, “ 4X” modes.

NOTE: You can move in the picture, i.e. change the zoomed location, by using the (Left) / (Right) / (Down) / (Up) arrow keys.

To return to normal play;

Press ZOOM again.

CD Menu

CD Menu is used to display the directory structure of data discs which would contain files such as JPEG/MPEG/MP3 and to display the tracks of Audio CDs.

Basic Play



1. Please insert a CD-R disc to the loader.


“Loading” message appears on screen. Please wait for a moment.



CD MENU appears. Directories and the files in the root directory are listed. (For Audio CD, the tracks are listed.)

2. Press “” or “” to select files or directories.

In the stop mode or while playing MP3 the user can navigate in the current directory.

3. Press SELECT, “” or “” to switch between directories & files.

If a directory is selected and SELECT or “” key is pressed then the selected directory content is displayed after reading directory.

To switch from a sub directory to an upper directory, press SELECT or “” key while the top-most option in the directory (“...”) is selected or press “”.

4. Press SELECT on a file to play.

MP3/MPEG File

Selected MP3 / MPEG starts to play.

Elapsed or Remaining Time can be displayed using DISPLAY key and can be changed using INFO key.

JPEG File :

Selected JPEG is displayed in full screen and Slide Show starts automatically.

During slideshow, you may change slide type (effect) by pressing ANGLE button.

Audio CD Track:

Elapsed or Remaining Time can be displayed using DISPLAY key and can be changed using INFO key.

PAUSE

Press PAUSE (||) once during play. The play freezes.

PAUSE message appears on screen.

To return to normal play press PLAY (▶) again.

Stopping Play

Press STOP (■).

The play is stopped.

NOTE: If a JPEG file is displayed, pressing MENU also stops the play.

MP3/MPEG File: CD MENU is displayed.

Rapid Advance (Rapid Reverse)

MP3/MPEG CD Track:

Press SEARCH/SLOW (◀ or ▶) during play to decrease/increase play speed.

◀◀ 32x, ◀◀ 16x, ◀◀ 8x, ◀◀ 4x, ◀◀ 2x, PLAY, ▶▶ 2x, ▶▶ 4x, ▶▶ 8x, ▶▶ 16x, ▶▶ 32x are the play speed modes.

Skipping Ahead or Back to Tracks

Press SKIP/ FRAME (◀◀ / ▶▶) during play to jump to the previous/next file.

Next file in the current directory will be played. Press SKIP/ FRAME (◀◀ / ▶▶) during stop mode to jump to the previous/next page of the current directory.

ZOOM

MPEG:

This "zoom in" function enables you to take a closer look at the scene you are viewing that is especially an impressive function when you are seeing science fiction or adventure film.

Press ZOOM during play.

"2X" is displayed on the screen and the picture is now larger. By pressing ZOOM key consecutively you can reach "3X", "4X" modes.

NOTE: You can move in the picture, i.e. change the zoomed location, by using the (◀) / (▶) / (▼) / (▲) arrow keys.

To return to normal play;

Press ZOOM again.

JPEG :

Press PLAY (▶) to start slide show. During slideshow, you may change slide type (effect) by pressing ANGLE button.

It is provided both ZOOM in/out and Zoom pan functions for JPEG pictures.

Press ZOOM to turn on/off this function.

When this mode is on, a message will indicate the current ratio on screen.

If zoom mode is on,

Press ◀ / ▶ to control the ratio of zoom in/out.

The zoom ratios are %50 and %75 for zoom out and %100, %125, %150 and %200 for zoom in. (The order is: %50, %75, %100, %125, %150, %200)(The initial ratio is %100)

With ZOOM mode off, a picture is scaled to fit the whole screen.

Note: Slide Show is disabled when the ZOOM mode is on.

Repeat

Press REPEAT to change current repeat mode.

In CD MENU it is displayed at the bottom.

The options available are:

FOLDER: When this mode is selected, the current folder will be played once.

SINGLE: When this mode is selected, the current track will be played once.

REPEAT ONE: When this mode is selected, the current track will be repeated continuously.

REPEAT FOLDER: When this mode is selected, the current folder will be repeated continuously.

Display Function

Press INFO to change displayed time mode.

There are two time modes :

- Single Elapsed
- Single Remain

Time is displayed during MP3, MPEG and Audio CD track playback.

Setup Menu

Press DISPLAY key on the remote control when the player is not in playback mode.

The setup menu-main page appears. To close the setup menu, press DISPLAY key.

MAIN PAGE

In the main page, the first page is selected by default.

Select pages using ◀/▶ arrow buttons.

When selected, the page will be highlighted and the items of the selected page will be displayed.

Press SELECT or ▼ arrow button to enter selected page.

When entered a page, the first item of the page is selected and the sub-items of that item are listed on the right.

NOTE: To return to main page, press arrow button. To close the setup menu, press DISPLAY key.

USING PAGES

When entered a page, the first item of the page is selected by default and the sub-items of the selected item are listed on the right.

Use arrow buttons to change the selected item in the page.

The sub-items of the selected item are listed on the right.

Press SELECT or ▶ arrow button to select the sub-items of the selected item.

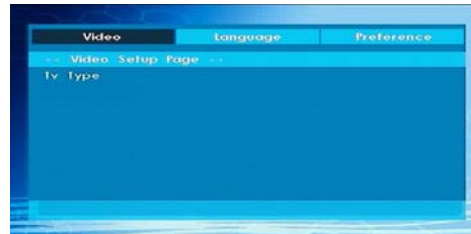
The sub-item is selected on the right menu.

Use ▼/▲ arrow buttons to change the selected sub-item.

Press SELECT to choose the selected sub-item on the right menu.

DVD MENU ITEMS

VIDEO SETUP PAGE



TV Type

TV Type is only available as 'PAL'. The TV set also supports NTSC signal; however, the signal will be converted to PAL when it appears on the screen.

LANGUAGE SETUP



OSD LANG

You can select the default OSD language of the player menus

AUDIO

You can select the default audio language if supported by the DVD disc.

DISC MENU

You can select the DVD's disc menu language among these languages. Disc menu appears in the selected language, if supported by the DVD disc.

SUBTITLE

You can select the default subtitle language if supported by the DVD disc.

PREFERENCES



ANGLE MARK

This option allows you to turn on /off the angle mark on the screen, which is displayed to indicate that a multi angle scene has started. It also shows which angle you are currently watching.

DEFAULT

If you choose RESET and press SELECT, the factory-presets are loaded. Parental level and parental password does not change.

DOWNMIX

This mode can be selected when the digital audio output of the TV is used.

SURROUND: Surround sound output.

STEREO: Two channels stereo.

PARENTAL (Parental Level)



Playing some DVDs can be limited depending on the age of users. The "Parental Control" function allows playback limitation level to be set by the parent.

Parental Level can be adjusted to one of the eight levels. Level "8 ADULT" adjustment let you watch all of the DVD titles ignoring the DVD disc's parental level. You can watch the DVD discs, which has the same or lower parental level than the player's level only.

PASSWORD (Change Password):

Using this item you can change the current password.

To change the password you will be prompted to enter your old password. After you have entered your old password, you can now enter the new 4-digit password.

You can use C key to delete the incorrect entry.

Note: Factory preset of the password is "0000". You have to enter XXXX digital password every time you want to change the parental level. If you forget your password please contact technical service.

Troubleshooting

The picture quality is poor (DVD)

- Make sure the DVD disc surface is not damaged. (Scratch, fingerprint etc.)
- Clean the DVD disc and try again.

See instructions described in "Notes on Discs" to clean your disc properly.

- Ensure that the DVD disc is in the drawer with the label uppermost.
- A damp DVD disc or condensation may effect the equipment. Wait for 1 to 2 hours in Stand-by to dry the equipment.

Disc does not play

- No disc in the machine.

Place a disc into the loader.

- Disc incorrectly loaded.

Ensure that the DVD disc is in the drawer with the label uppermost.

- Wrong type of disc. The machine cannot play CD-ROMS etc.
- The region code of the DVD must match the player.

Wrong OSD language

- Select the language in the set-up menu.
- The language for the sound or subtitles on a DVD cannot be changed.
- Multilingual sound and/or subtitles not recorded on the DVD.
- Try to change the sound or subtitles using DVD's title menu. Some DVD's do not allow the user to change these settings without using the disc's menu

Some functions (Angle, Zoom etc) do not work

- These functions are not available on the DVD.
- Angle can only be changed when the angle symbol is displayed.

No picture

- Have you pressed the correct buttons on the remote control? Try once more.

No sound

- Check the volume is set to an audible level.

- Make sure you have not switched the sound off accidentally.

Distorted sound

- Check that the appropriate listening mode setting is correct.

No response from remote control

- Make sure the remote control is in the correct mode.
- Check batteries are fitted correctly.
- Change the batteries.

If nothing works

If you have tried the above solutions and none seem to work, try switching your TV-DVD off and on again. If this does not work, contact your supplier or TV-DVD repair technician. Never attempt to repair a defective TV-DVD yourself.

Definition of Terms

Angle

Recorded onto some DVD discs are scenes, which have been simultaneously shot from a number of different angles (the same scene is shot from the front, from the left side, from the right side, etc.). With such discs, the ANGLE button can be used to view the scene from different angles.

Chapter Number

These numbers are recorded on DVD discs. A title is subdivided into many sections, each of which are numbered, and specific parts of video presentations can be searched quickly using these numbers.

DVD

This refers to a high-density optical disc on which high-quality pictures and sound have been recorded by means of digital signals. Incorporating a new video compression technology (MPEG II) and high-density recording technology, DVD enables aesthetically pleasing full-motion video to be recorded over long periods of time (for instance, a whole movie can be recorded).

DVD has a structure consisting of two 0.6-mm thin discs, which are adhered to each other. Since the thinner the disc, the higher the density at which the information can be recorded, a DVD disc has a greater capacity than a single 1.2 mm thick disc. Since the two thin discs are adhered to each other, there is the potential to achieve double-sided play sometime in the future for even longer duration play.

Playback Control

This is recorded on a Video CD (Version 2.0). The scenes or information to be viewed (or listened to) can be selected interactively with the TV monitor by looking at the menu shown on the TV monitor.

Subtitles

These are printed lines appearing at the bottom of the screen, which translate or transcribe the dialogue. They are recorded on the DVD discs.

Time Number

This indicates the playtime, which has elapsed from the start of a disc or a title. It can be used to find a specific scene quickly. (Not all discs permit the time search feature to be used. Availability is determined by the disc's manufacturer.)

Title Number

These numbers are recorded on DVD discs. When a disc contains two or more movies, these movies are numbered as title 1, title 2, etc.

Track Number

These numbers are assigned to the tracks, which are recorded on AudioCDs. They enable specific tracks to be located quickly.

Video CD

This contains recordings of pictures and sound whose quality is on a par with that of videotape. This player also supports Video CDs with playback control (Version 2.0).

Dolby Digital

Many movie theatres are equipped with 5.1 channel surround systems. This same type of technology is available to you in your home. To enjoy full 5.1-channel surround, your DVD player must be connected to an external Dolby Digital decoder via the digital outputs (either coaxial or optical).

Dolby Pro Logic

This is Dolby Laboratories' technology to decode Dolby Surround encoded programs actively. Dolby Surround programs have four channels of audio (Left, Center, Right and Surround) encoded into a standard 2-channel stereo signal. The rear channel is monaural.

LPCM

LPCM stands for Pulse Code Modulation and is digital audio.

MPEG

Short for Moving Picture Experts Group. This is an international standard for compression of moving images. On some DVDs digital audio has been compressed and recorded in this format.

Supported File Formats for USB & MC Modes

Media	File Extension	Format		Remarks (Maximum resolution/Bit rate etc.)
		Video	Audio	
Movie	.mpg/ .dat/ .vob	MPEG1	MPEG Layer 1/2/3	
		MPEG2	MPEG2	
		MPEG4	PCM/MP3/WMA	
	.avi	MS ISO MPEG4	PCM/MP3/WMA	Support SP and ASP
		MJPEG	PCM	30fps@VGA
Music	-	-	PCM	Sample Rate: 8K ~ 48KHz
	.mp3	-	MPEG 1/2 Layer 1/ 2/ 3 (MP3)	Sample Rate: 8K ~ 48KHz, Bit Rate: 32K~320Kbps
	.wma	-	WMA	Sample Rate: 8K ~ 48KHz, Bit Rate: 5K ~ 192Kbps
Photo	.jpg	Baseline JPEG		WxH = 14592x12288, Up to 179 Mega-pixel Support format: 444/ 440/ 422/ 420/ Grayscale
		Progressive JPEG		Up to 4 Mega-pixel Support format: 444/ 440/ 422/ 420/ Grayscale
External Subtitles	.ssa			Support Text File Format, but do not support Picture File Format
	.ass			
	.srt			
	.smi			
	.sub			

Supported Memory Card Types

- SD (Secure Digital ™)
- MMC (Multi Media Card ™)
- MS (Memory Stick ™)
- MS PRO (Memory Stick Pro ™)

“Memory Stick” is a trademark of Sony Corporation.

“Secure Digital” is a trademark of SD Card Association.

“MULTIMEDIACARD” is a trademark of MultiMediaCard Association (MMCA).



Disc Types Compatible with This Unit

This player can play the following discs.

Disc Types (Logos)	Recording Types	Disc Size	Max. Playing Time	Characteristics
DVD 	Audio + Video	12 cm	Single - sided; 240 min. Double - sided; 480 min.	<ul style="list-style-type: none"> DVD contains excellent sound and video due to Dolby Digital and MPEG-2 System. Various screen and audio functions can be easily selected through the on screen menu.
		8 cm	Single - sided; 80 min. Double - sided; 160 min.	
VIDEO-CD 	Audio + Video	12 cm	74 min.	<ul style="list-style-type: none"> Video with CD sound, VHS quality & MPEG-1 compression technology.
		8 cm	20 min.	
AUDIO-CD 	Audio	12 cm	74 min.	<ul style="list-style-type: none"> An LP is recorded as an analog signal with more distortion. CD is recorded as a Digital Signal with better audio quality, less distortion and less deterioration of audio quality over time.
		8 cm	20 min.	
MP3-CD 	Audio (xxxx.mp3)	12 cm	It depends on MP3 quality.	<ul style="list-style-type: none"> MP3 is recorded as a Digital Signal with better audio quality, less distortion and less deterioration of audio quality over time.
		8 cm		
PICTURE-CD 	Video (still picture)	12 cm	It depends on JPEG quality.	<ul style="list-style-type: none"> JPEG is recorded as a Digital Signal with better picture quality over time.
		8 cm		
SVCD 	Audio + Video	12 cm	35 min.	<ul style="list-style-type: none"> SVCD stands for "Super Video CD". A SVCD is very similar to a VCD. It is encoded by MPEG-2 and it has higher video quality than VCD.
		8 cm	10 min.	

Specifications

DVD / VCD / CD / CD-R / CD-RW / MP3 / JPEG / MPEG

<p>Types of Discs Supported</p>	<p>DVD: SS/SL 4.7" (DVD-5) SS/DL 4.7" (DVD-9) DS/SL 4.7" (DVD-10) DS/DL 4.7" (DVD-18)</p> <p>VCD/SVCD CD-DA CD-R CD-RW MP-3/JPEG</p>
<p>Video Type</p>	<p>MPEG-2 Video Standard Decoding (MPEG-1 supported) Full-Screen Video Display of 720 x 576 (PAL) & 720 x 480 (NTSC) pixels 50 and 60 Hz frame refresh rates (PAL & NTSC) Digital bit-stream processing rate up to 108Mbits/sec Line resolution more than 500 lines</p>
<p>Audio Type</p>	<p>Dolby Digital Decoding MPEG Multichannel Decoding LPCM</p>
<p>Audio Output</p>	<p>Digital Audio Outputs: IEC 958 TOSLINK</p> <p>Analog Outputs: 24 bit /48, 44.1kHz down-sampling DAC</p>