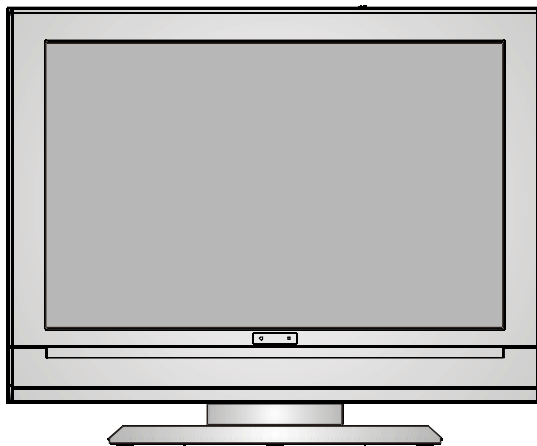

linsar

L19WDF2V

OPERATING INSTRUCTIONS



COLOUR TELEVISION WITH REMOTE CONTROL

Contents


| | | | |
|--|-----------|---|-----------|
| General Properties | 46 | MENU ITEMS | 57 |
| About this Manual | 46 | VIDEO SETUP PAGE | 57 |
| Safety Information | 46 | LANGUAGE SETUP | 57 |
| Notes on Discs | 47 | PREFERENCES | 57 |
| DVD Control Panel Buttons | 47 | Troubleshooting | 58 |
| Remote Control Buttons | 48 | The picture quality is poor (DVD) | 58 |
| Disc Types Compatible with This Unit: | 49 | Disc does not play | 58 |
| DVD Playback | 50 | Wrong OSD language | 58 |
| Rapid Advance (Rapid Reverse) | 50 | The language for the sound or subtitles on a DVD cannot be changed. | 58 |
| Skipping Ahead or Back to Chapters | 50 | Some functions (Angle, Zoom etc) do not work | 58 |
| Still Picture (PAUSE) | 50 | No picture | 58 |
| Frame Advance (STEP FORWARD) | 50 | No sound | 58 |
| Slow- motion Play Forward | 50 | Distorted sound | 58 |
| Direct Selection of Scenes | 50 | No response from remote control | 58 |
| Repeat Play | 51 | If nothing works | 58 |
| Convenient Functions | 51 | Definition of Terms | 59 |
| Using a DVD Menu | 53 | Angle | 59 |
| Video CD Playback | 53 | Chapter Number | 59 |
| Basic Play | 53 | DVD | 59 |
| Rapid Advance / Rapid Reverse | 54 | Playback Control | 59 |
| Skipping Ahead or Back to Chapters | 54 | Subtitles | 59 |
| Still Picture (PAUSE) | 54 | Time Number | 59 |
| Frame Advance (STEP Forward) | 54 | Title Number | 59 |
| Slow- motion Play | 54 | Track Number | 59 |
| Direct Selection of Scenes | 54 | Video CD | 59 |
| Repeat Play | 54 | Dolby Digital | 59 |
| Convenient Functions | 55 | Dolby Pro Logic | 59 |
| CD Menu | 55 | LPCM | 59 |
| Basic Play | 55 | MPEG | 59 |
| PAUSE | 55 | Specifications | 60 |
| Stopping Play | 55 | | |
| Skipping Ahead or Back to Tracks | 56 | | |
| ZOOM | 56 | | |
| REPEAT | 56 | | |
| File List Function | 56 | | |
| Setup Menu | 57 | | |
| MAIN PAGE | 57 | | |

DVD

HOW TO WATCH A DVD

When TV set is turned on, press **DVD button** on Remote Control and press play, or directly press play button at the front panel. If there is no disc inside of the loader, press Open / Close button, place a DVD and press play.

General Properties

- DVD / VCD / CD / CD-R / CD-RW / MP3 / JPEG / MPEG playback.
- PAL playback (according to disc content)
- User-friendly multilanguage OSD menu control.
-  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.

CAUTION

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.



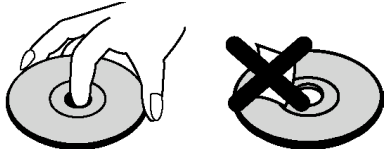
The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

English - 46 - DVD

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.



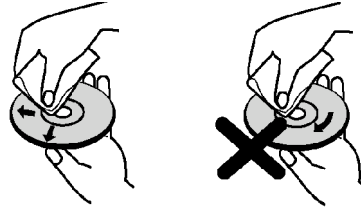
- Do not expose the disc to direct sunlight or heat sources such as hot air ducts, or leave it in a car parked in direct sunlight as the temperature can rise quickly and damage the disc.
- After playing, store the disc in its case.

HOW TO WATCH A DVD

When TV set is turned on, press **DVD button** on Remote Control and press play, or directly press play button at the front panel. If there is no disc inside the tray, press Open / Close button, place a DVD and press play.

On cleaning

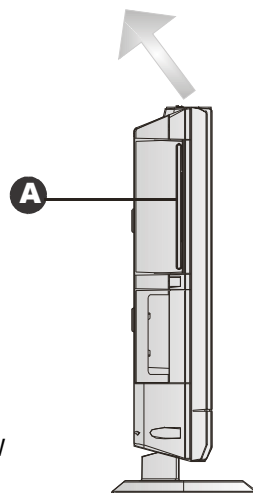
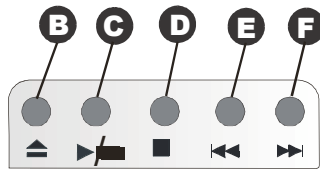
- Before playing, clean the disc with a cleaning cloth. Wipe the disc from the center out.



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

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.

DVD Control Panel Buttons



SIDE VIEW

A Disc Tray Loader = Please insert a disc to the disc Loader.

B = Open / Close (Eject or Load the disc)

C = 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.

D = Stop (Stop playing disc.)

E = Search back / Skip back


F = Search forward / Skip next

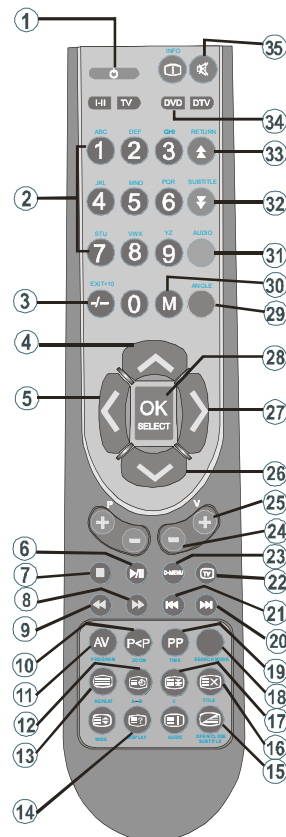
Note 1: 8 cm discs should be placed into the tray in accordance with the indication marks.

Note 2: Search forward and search back function will be available when you constantly press or button.

Remote Control Buttons

DVD MODE


- ① Standby On-Of
- ② Digits (Press to enter track/chapter/title/time/etc... numbers directly.)
- ③ To enter 2-digit numbers
- ④ Cursor Up
- ⑤ Cursor Left
- ⑥ Play / Pause
- ⑦ Stop
- ⑧ Search Forward
- ⑨ Search Back
- ⑩ Zooms the picture by 2x, 3x, 4x while playing DVD/VCD/SVCD. Pressing zoom button again disables zoom mode.
- ⑪ Press to enter file list mode to list all the files in the disc. In file list mode, the same type of files can be played back together in repeat modes.
- ⑫ Press to execute the A←→B repeat play if not prohibited by the disc.
- ⑬ Press to execute disc/title/chapter repeat if not prohibited by the disc.
- ⑭ Displays the content menu during playback or displays the set-up menu during "Stop & Resume" mode.
- ⑮ Eject/Load
- ⑯ Displays the title menu of the DVD if supported by the disc or changes the status of PBC functionality for VCD and SVCD.
- ⑰ Clear
- ⑱ Press to select the unit for search (title, chapter, track, index, time etc.) if not prohibited by the disc.
- ⑲ Changes the playing time display mode of the disc, title, track etc., on the OSD.
- ⑳ Skip Next
- ㉑ Skip Back
- ㉒ No Function
- ㉓ DVD MENU
- ㉔ Volume Down
- ㉕ Volume Up
- ㉖ Cursor Down
- ㉗ Cursor Right
- ㉘ Executes the items or settings.
- ㉙ Changes the angles when playing a DVD if supported by the disc.
- ㉚ TV MENU
- ㉛ Changes the language of the sound while playing a DVD if supported by the disc.
- ㉜ Changes the language of the subtitle while playing a DVD if supported by the disc.
- ㉝ Returns to root menu or resumes playback from root menu.
- ㉞ **DVD Mode Select**
- ㉟  = Mute



English - 48 - DVD

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 m in. | <ul style="list-style-type: none"> • Video with CD sound, VHS quality & MPEG-1 compression technology. |
| | | 8 cm | 20 m in. | |
| AUDIO-CD  | Audio | 12 cm | 74 m in. | <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 m in. | |
| 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 m in. | <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 m in. | |

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.

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 (▶▶)** or **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 **PLAY/PAUSE (▶/||)** once during play.

The screen freezes.

To return to normal play press **PLAY/PAUSE (▶/||)** again.

Frame Advance (STEP FORWARD)

Press **PLAY/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/PAUSE (▶/||)** again.

NOTE: Reverse stepping is not available.

Slow-motion Play Forward

Press **PLAY/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/PAUSE (▶/||)**.

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 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. To enter a chapter number which is more than 1 digit, press **+10** key and then enter the chapter number.
- 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.

Press ◀ (Left) or ▶ (Right) button on the remote control to select the title field in the search box to change the title.

You can see the currently playing title and total title numbers on the top-left side of the display as -- / xx.

Enter the number of the title using number 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 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 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.

Repeat Play

Repeat Viewing

Press REPEAT during play.

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

- If "⏮ CHAPTER" is displayed, the current chapter will be played again.
- If "⏮ TITLE" is displayed, the current title will be played again.
- If "⏮ ALL" is displayed, all titles and chapters will be played again.

NOTE: Repeat play may be prohibited by some DVD titles.

Repeating two specific points between sections. (A-B repeat)

Press A-B during play at the point where repeat play is to commence (A).

"⏮ A" is displayed.

Press A-B again at the point where repeat play is to be concluded (B).

"⏮ AB" is displayed and the repeat play of the selection between points A and B starts, if not prohibited by the DVD.

To return to normal play

Press **A-B** again.

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 **TIME** 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 **TIME** key for the fifth 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" 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.

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 **AUDIO** during play.

Press AUDIO 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 **y**th 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 or MENU 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

1. 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.

After steps 1 to 3 above, the menus are displayed on the TV screen.

4. 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 / PAUSE (▶/||)** 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/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 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 PLAY/PAUSE (▶/||) once during play.

The screen freezes.

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

Frame Advance (STEP Forward)

Press PLAY/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 PLAY/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/PAUSE (▶/||) 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 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 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 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, "Input Invalid" 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 "Track" is displayed, the current track will be played again.

Repeating two specific points between sections. (A-B repeat)

Press A-B during play at the point where repeat play is to commence (A).

"A" is displayed on screen.

Press A-B again at the point where repeat play is to be concluded (B).

"AB" is displayed and the repeat-play of the selection between points A and B starts.

To return to normal play

Press A-B again. A-B Repeat is disabled.

Convenient Functions

Displaying the time information

Press TIME 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 ▼ / ▲ to select files or directories.

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

3. Press SELECT, ◀ / ▶ 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 TIME key.

JPEG File :

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

Audio CD Track:

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

PAUSE

Press PLAY/PAUSE (▶/||) once during play.

The play freezes.

PAUSE message appears on screen.

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

Stopping Play

Press STOP (■).

The play is stopped.

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

MP3/MPEG: CD MENU is displayed.

Rapid Advance (Rapid Reverse)

MP3/MPEG 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 ◀ (Left) / ▶ (Right) / ▼ (Down) / ▲ (Up) arrow keys.

To return to normal play;

Press ZOOM again.

JPEG :

Press PLAY (▶) to start slide show.

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.

Repeating two specific points between sections. (A –B repeat)

MP3, Audio CD Track:

Press A-B during play at the point where repeat play is to commence (A).

"A" is displayed on screen.

Press A-B again at the point where repeat play is to be concluded (B).

"AB" is displayed and the repeat-play of the selection between points A and B starts.

To return to normal play

Press A-B again. A-B Repeat is disabled.

Display Function

Press TIME 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.

File List Function

Press PROG to select file list mode

All the files in the disc are listed.

The same types of files in the list are played together sequentially.

If a MP3 file is selected to play then all the MP3 files in the list are played sequentially.

If a MPEG file is selected to play then all the MPEG files in the list are played sequentially.

If a JPEG file is selected to display then all the JPEG files in the list are displayed sequentially.

To stop the playback of the files:

If a MP3/MPEG file is played; press **STOP** (■).

If a JPEG file is displayed; press MENU or **STOP** (■).

Press **PROG** to quit file list mode.

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.

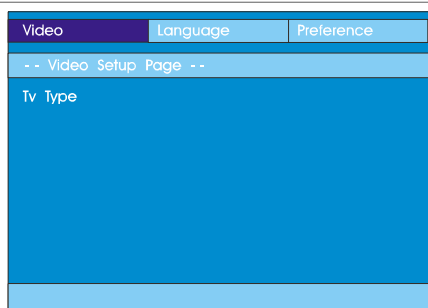
The sub-item is selected on the right menu.

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

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

MENU ITEMS

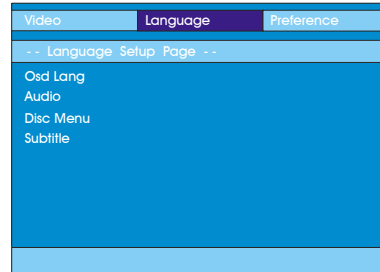
VIDEO SETUP PAGE



TV TYPE:

TV Type is only available as 'PAL'.

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.

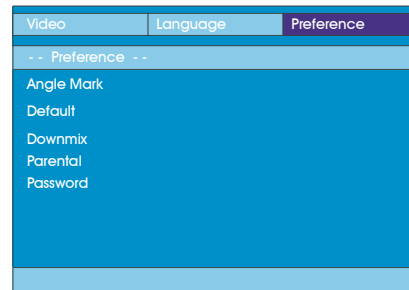
DISC MENU:

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):

| Video | Language | Preference |
|------------------|----------|------------|
| -- Preference -- | | |
| Angle Mark | 1 | G |
| Standby Time | 2 | |
| Default | 3 | Pg |
| Downmix | 4 | Pg 13 |
| Parental | 5 | |
| Password | 6 | PG -R |
| | 7 | Nc 17 |
| | 8 | Adult |

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 Standby to dry the equipment.

Disc does not play

- No disc in the machine.

- Place a disc onto the tray.
- 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.

Specifications

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

| | |
|---------------------------------|--|
| Types of Discs Supported | 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) VCD/SVCD CD-DA CD-R CD-RW MP-3/JPEG |
| Video Type | MPEG-2 Video Standard Decoding (MPEG-1 supported) Full-Screen Video Display of 720 x 576 (PAL) pixels 50 and 60 Hz frame refresh rates (PAL) Digital bit-stream processing rate up to 108Mbits/sec Line resolution more than 500 lines |
| Audio Type | Dolby Digital Decoding LPCM |
| Audio Output | Digital Audio Outputs: IEC 958 TOSLINK Analog Outputs: 24 bit /48, 44.1kHz down-sampling DAC |

