

Techview

17" TFT LCD TV & DVD COMBO

*Owner's
Instructions*



17" TFT LCD TV & DVD COMBO

INDEX

TV

Safety Instruction -----	1
FCC -----	4
Item List -----	6
Description -----	7~11
Description (Front/OSD)	7
Description (Rear/IO)	8
Description (Remote Controller)	11
Remote Controller Battery Installation -----	12
TV Setting -----	13~22
Connecting Antenna	13
How to operate the TV	14
Tuning Channels	15
Channel Editing.....	17
Parental Control	19
VCR Setting -----	23~26
Connecting to VCR	23
Parental Control	24
DTV Setting -----	27~29
Connecting DTV2	27
Setting for PIP.....	28
DVD OUT SETTING -----	30
Connecting DVD Out	30
Video Adjustment -----	31~33
Audio Adjustment -----	33~34
Option	34~36
CC Mode	36~38

DVD

DVD Introduction -----	39
Compatible Discs -----	39
Remote Controller Description -----	41
Functions of Front Operation Panel -----	42

Basic Playback	43~60
How to change the DVD mode.....	43
Playing DVD video disc	44
Playing MP3 discs	45
Playing Kodak picture CD and JPEG File play.....	46
Advanced playback.....	48
Using the GOTO menu	49
Using the Setup Menu	52
Power Saving Mode	61
Troubleshooting	62~64
TV Troubleshooting.....	62
DVD Troubleshooting.....	63
Specification	65~66
TV Specification	65
DVD Specification	66
How to Clean	66
Customer Service	67

■ Safety Instructions

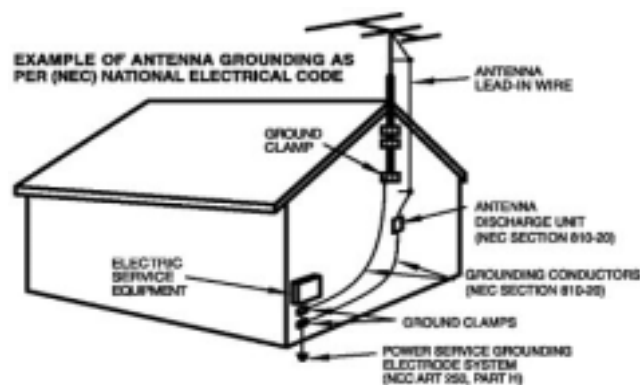
For assistance, please call: 1-XXX-XXXX (XXXX) or send e-mail to:

support@techsan.co.kr or visit us at www.techsan.com



- **CATV System Installer:** This reminder is provided to direct the CATV system installer's attention to Article 820-40 of the NEC that provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as practical.
- **Important Safety Instructions for TFT-LCD TV users**
 1. Read these instructions carefully and apply them with your LCD TV.
 2. Keep these instructions in near you.
 3. Follow all warnings and instructions marked on the LCD TV.
 4. Do not use this product near water. For example: Avoid placing it near a bathtub, washbowl, kitchen sink, or laundry tub, in a wet basement, or near a swimming pool, etc.
 5. Use only dry cloths to clean your LCD TV. Unplug your LCD TV from the wall outlet before cleaning. Do not use liquid or aerosol cleaners.
 6. Do not block any ventilation openings. Install your LCD TV in accordance with the manufacturer's instructions. Openings in the cabinet and the back or bottom are for ventilation, and to ensure reliable operation of the LCD TV and to protect it from overheating. These openings must not be blocked or covered. There should be at least 5 inches of space from these openings. This LCD TV should not be placed in a built-in installation such as a bookcase unless proper ventilation is provided.

7. Do not install near any heat sources such as radiators, heat registers, stoves, or other product (including amplifiers) that produce heat.
8. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the product.
9. Use only attachments/accessories specified by the manufacturer. Otherwise it may cause hazards.
10. Unplug this product during lightning storms or when it will be left unused for long periods of time. This will prevent damage to the receiver due to lightning and power-line surges.
11. Operate only from the type of power source indicated on the marking label. If you are not sure of the type of power supplied to your home consult your television dealer or local power company.
12. Never push objects of any kind into this LCD TV through cabinet slots as they may touch dangerous voltage points or short out parts that could result in a fire or electric shock. Never spill liquid of any kind on the LCD TV.
13. If an outside antenna is connected to the television product, be sure the antenna system is grounded so as to provide some protection against voltage surges and built up static charges. In the U.S. Selection 810-21 of the National Electrical Code provides information with respect to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna discharge unit, connection to grounding electrodes, and requirements for the grounding electrode.



14. An outside antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits, or where it can fall into such power lines or circuits. When installing an outside antenna system extreme care should be taken to keep from touching such power lines or circuits as contact

with them might be fatal.

15. Unplug this LCD TV from the wall outlet, and refer servicing to qualified service personnel under the following conditions: When the power cord or plug is damaged or frayed. If liquid has been spilled into the LCD TV. If the LCD TV has been exposed to rain or water. If the LCD TV does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions as improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the LCD TV to normal operation. If the LCD TV has been dropped or the cabinet has been damaged. When the LCD TV exhibits a distinct change in performance - this indicates a need for service.
16. Refer all servicing to qualified service personnel. Servicing is required when the product has been damaged in any way, such as when the power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the product, the product has been exposed to rain or moisture, does not operate normally, or has been dropped. Upon completion of any service or repairs to this LCD TV, ask the service technician to perform routine safety checks to determine that the television is in safe operating condition.
17. When replacement parts are required, be sure the service technician to use replacement parts specified by the manufacturer that have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock, or other hazards.
18. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the product. When a cart is used, use caution when moving the cart/product combination to avoid injury from tip-over.



 **WARNING**

1. TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS PRODUCT TO RAIN OR MOISTURE.
2. TO PREVENT ELECTRIC SHOCK, DO NOT USE THIS PLUG WITH A RECEPTACLE OR OTHER OUTLET UNLESS THE BLADES CAN BE

FULLY INSERTED TO PREVENT BLADE EXPOSURE.

3. USE WITH OTHER STAND MAY RESULT IN INSTABILITY CAUSING POSSIBLE INJURY.

4. THERE IS DANGER OF EXPLOSION IF BATTERY REPLACED IMPROPERLY. REPLACE ONLY WITH THE SAME OR EQUIVALENT TYPE.

NOTE:

- This product is designed to operate in the U.S.A. and other countries where the broadcasting system and AC house current is exactly the same as in the U.S.A.
- The marking or retained image on the LCD panel resulting from fixed image use is not an operating defect and as such is not covered by Warranty. This product is not designed to display fixed image patterns for extended periods of time.
- Regarding Use of Video Games, Computers, Captions or Other still Image Displays. The extended use of fixed image program material can cause a permanent "shadow image" on the LCD panel.

This background image is viewable on normal programs in the form of a stationary fixed image. This type of irreversible LCD panel deterioration can be limited by reduce the brightness/contrast setting to a minimum viewing level. Do not display the fixed image for extended periods of time. Turn the power off when not in actual use.

- To obtain maximum benefit from your set, please read these instructions before making any adjustments, and retain them for future reference. Keep your purchase receipt, and write down the model and serial number of your set in the space provided on the rear cover of these instructions.

■ FCC (Federal communication commission) Information

This product has been tested and found to comply with the limits for a TV Broadcast Receiver, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This product

generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. If this product does cause or receive interference, which can be determined by turning product off and on, the user is encouraged to try to correct the interference by one of the following measures:

Reorient or relocate the TV antenna.

Increase the separation between TV and other product.

Connect TV into separate outlet from other product.

Consult the dealer or an experienced radio/TV technician for help.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this product.

 **CAUTION**

THE 20.1" TFT-LCD TV/DVD COMBO PRODUCT IS A CLASS 1 LASER PRODUCT. HOWEVER THIS 20.1" TFT-LCD TV/DVD COMBO PRODUCT USES A VISIBLE LASER BEAM, WHICH COULD CAUSE HAZARDOUS RADIATION EXPOSURE IF DIRECTED. BE SURE TO OPERATE THE 20.1" TFT-LCD TV/DVD COMBO PRODUCT CORRECTLY AS INSTRUCTED.

WHEN THIS 20.1" TFT-LCD TV/DVD COMBO PRODUCT IS PLUGGED INTO THE WALL OUTLET, DO NOT PLACE YOUR EYES CLOSE TO THE DISC SLOT OR OTHER OPENINGS TO LOOK INTO THE INSIDE OF THIS PLAYER.

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

DO NOT OPEN COVERS AND DO NOT REPAIR YOURSELF. REFER SERVICING TO QUALIFIED PERSONNEL.

■ Item List

Check the items before installation. If any items are missing, contact the near dealer.

- ① LTDW1700U (or LTSW1700U)
- ② User's Manual
- ③ Remote Controller
- ④ Antenna Cable
- ⑤ Power Adapter
- ⑥ Power Cord
- ⑦ AAA Battery (X 2)



①



②



③



④



⑤



⑥

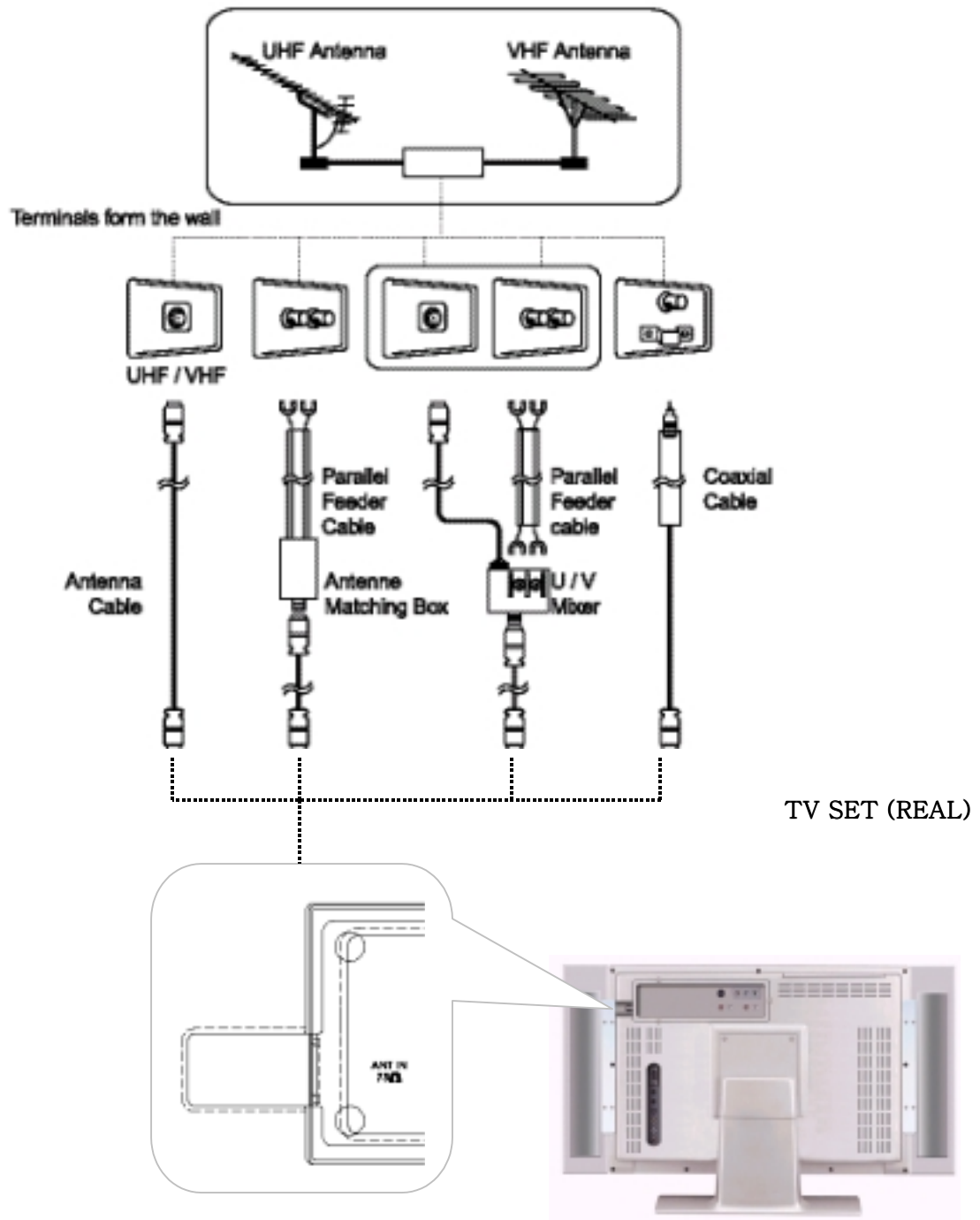


⑦

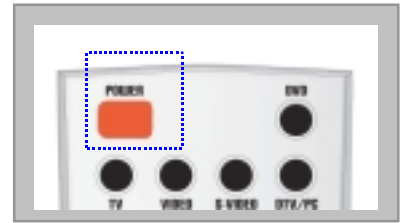
■ TV Setting

◆ Connecting Antenna

* All cables are sold separately except antenna cable.



◆ How to Operate the TV



Power Switch

Press the Power switch on the TV to turn the set on.

LED Status: Green (On), Red (Off)



*You will see the manufacturer's logo on screen when you turn on the TV set.

When the TV is on or in standby mode, turn the TV set off by pressing the POWER switch.

Select Channels

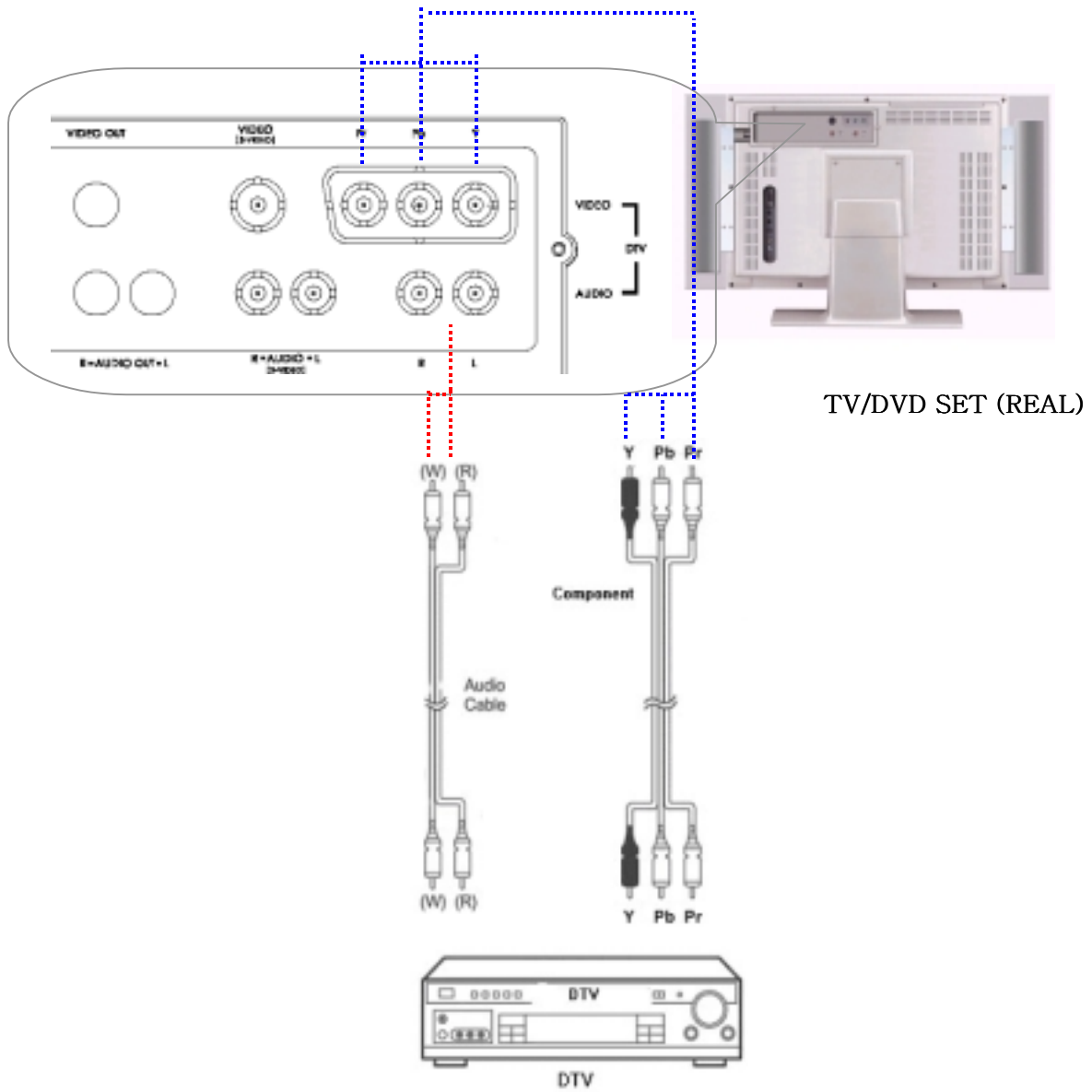
- Press numeric buttons or channel buttons to select channel you wish to watch.

Adjust volume

- Use 「Volume」 buttons to adjust the volume.

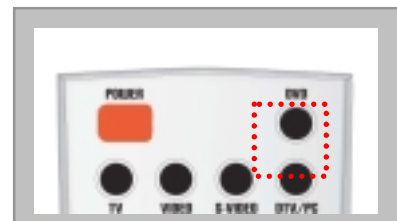
■ DTV Setting

◆ Connecting DTV2



① Install the DTV as shown on the picture above.

② Press **DTV1/DTV2** Source button and select DTV2..
 [Button Flow : DTV1→DTV2→DTV1(repeat)]



** Also, you can select a source with Source button on the Main Unit.

[Source Flow : Video→DTV1→DTV2→TV→
→S-Video→DVD→Video(repeat)]



- ③ Now you can enjoy your DTV.
- ④ You can follow same way for setting DTV1.

◆ Setting for PIP

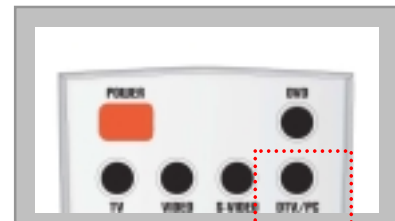
**** Note : PIP option is available for only DTV/PC video Source**

① PIP Operation

- Press the “DTV/PC” button on the remote unit or OSD Menu

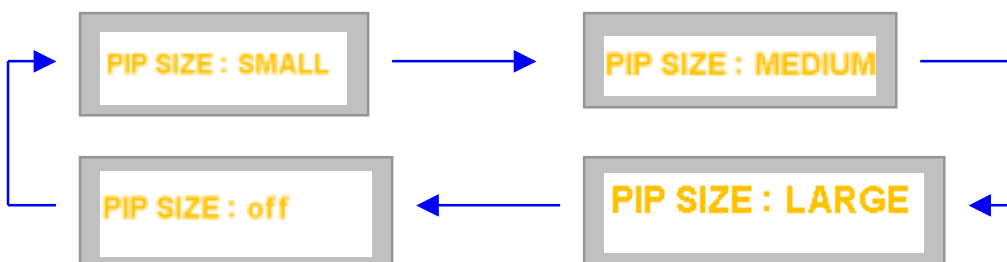
Instruction



1. Press the 「DTV/PC」 key to select DTV/PC or OSD 「Menu」



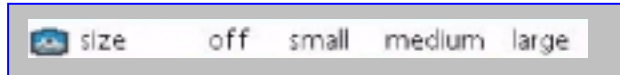
* Key Flow : DTV → PC → DTV → PC(Loop)

2. On the Remote unit : Press 「PIP On/Size」 button, then it will be operate “ Small → Medium → Large → Off ”



3. On the OSD : Press “Main Menu → PIP  → PIP Size ”, then select “PIP On/Off , Size” by using 「◀」 「▶」 buttons.
4. After the setup is completed, press the “menu” button to return to the main menu.



**** Note : PIP Size**



② PIP Position

- Press the “PIP Location” button on the Remote unit or OSD Menu.

Instruction

1. Press the 「PIP Location」 button or on the OSD 「Menu」
2. On the Remote unit : Press 「PIP Location」 button until you reach to the OSD position that then it will be operate “ 9 Position”
3. On the OSD : By pressing “ Main Menu → PIP  → PIP Pos ” then Select “9 PIP Positions” by using 「◀」 「▶」 buttons.
4. After the setup is completed, return to the main menu by pressing “Menu”button.



**** Note : 9 PIP Positions**



③ PIP Source

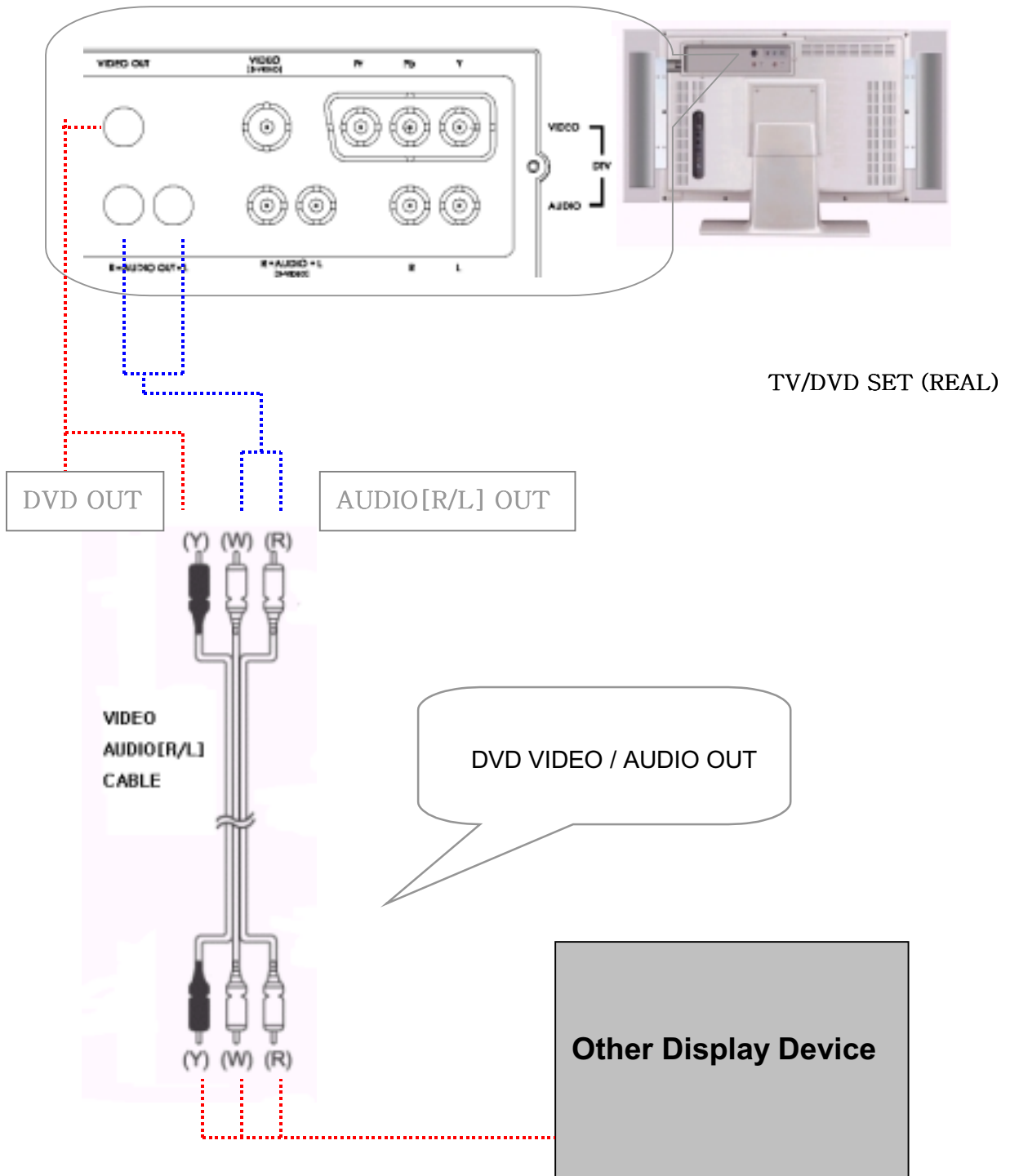
- Press the “PIP Source” on the OSD Menu.

Instruction

1. Press the 「Menu」 button.
2. Press 「▼,▲」 buttons to select  “PIP”.
3. Select  “PIP Source” with [◀, ▶] buttons.
4. Select Video Source “TV, Video, DVD” with [◀, ▶] buttons.
5. After the setup is completed, press the “Menu” button to return to the main menu.

■ DVD OUT Setting

◆ Connecting DVD Out



■ DVD Introduction (for LTDW1700U only)

◆ Compatible Discs

Any disc that displays one of the following logos should play in this system. Other formats, including DVD-RAM, DVD-ROM, DVD-Audio, SACD, Photo CD and CD-ROM (except those containing MP3 files) will not play.

① DVD Video compatibility



- Single-sided or double-sided discs.
- Single layer or dual layer discs.
- Dolby Digital, DTS, MPEG or Linear PCM digital audio.
- MPEG-2 digital video Disc are generally divided into one or more titles. Titles may be further subdivided into chapters.

② DVD-R compatibility



- This unit can play DVD-R discs recorded as DVD video format.

③ Audio CD compatibility



- 12cm or 8cm discs.
- Linear PCM digital audio.
- CD-Audio, CD-R and CD-RW formatted CDs are divided into tracks. (This unit can play CD-R and CD-RW discs recorded in CD Audio or Video CD format, or with MP3 audio files, or Kodak picture CD files.)

④ Super VCD compatibility



- 12cm or 8cm discs.
- MPEG-1 digital audio.
- MPEG-2 digital video.
- Super VCDs are divided into tracks.

⑤ DVD Video regions

All DVD Video discs carry a region mark on the case somewhere that indicates which region of the world the disc is compatible with. Your DVD player also has a region mark, which you can find on the rear panel. Discs from incompatible regions will not play in this player. Discs marked ALL will play in any player.



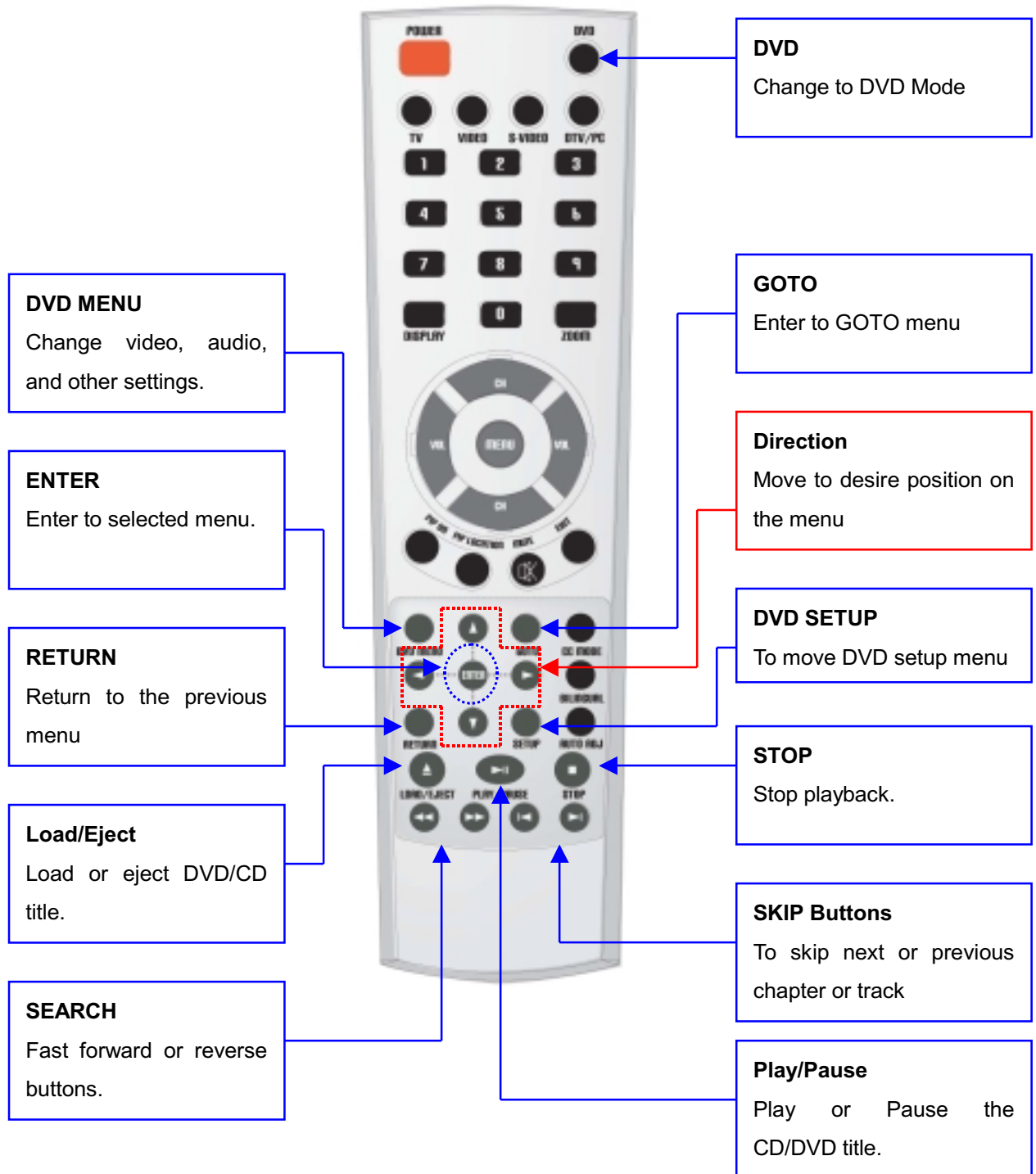
⑥ MP3 compatibility information

- The CD-ROM must be ISO 9660 compatible.
- Mono or stereo MPEG-1 Audio Layer 3 format, 32 or 44.1 or 48kHz fixed bit-rate. Incompatible files will not play.
- Compatible with variable bit-rate (VBR) files.
- This player is compatible with multi-session discs.
- Audio encoded at 128Kbps should sound close to regular audio CD quality. Although this player will play 48K to 320k bit-rate.
- MP3 tracks, the sound quality becomes noticeably worse at lower bit-rates.
- Compatible with WMA files.

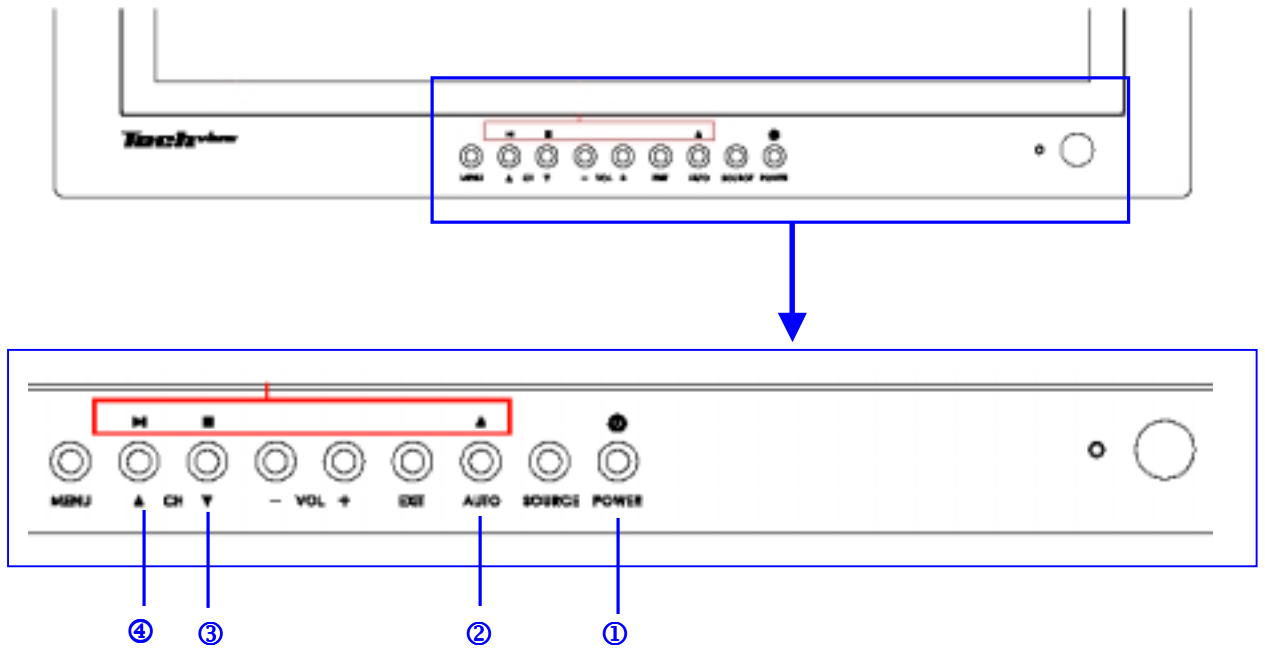
CAUTION

- DVD-R and CD-R/RW discs recorded using a personal computer or a DVD or CD recorder may not play if the disc is damaged or dirty, or if there is dirt or condensation on the player's lens.
- If you record a disc using a personal computer, even if it is recorded in a compatible format, there are cases in which it may not play because of the settings of the application software used to create the disc.

■ Remote Controller Description – DVD



■ Functions of front operation panel



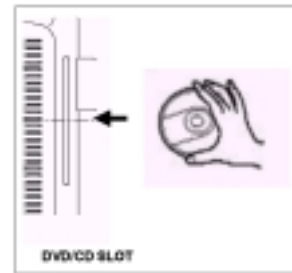
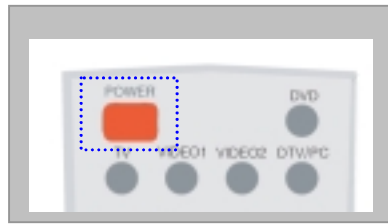
- ① Power switch : Turns power ON and OFF.
(The Remote control can be operated when this is ON)
- ② Load/Eject : Load and Eject Button.
- ③ Stop : Stops operation of disc.
- ④ Play/Pause : Plays and pauses DVD / CD discs.

■ Basic Playback

□ How to change to the DVD mode.

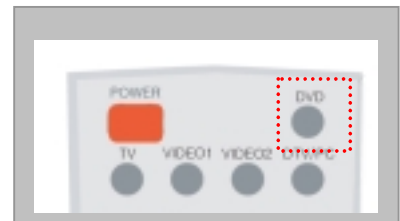
◆ Autoplay

- Press the power button and insert a DVD title.



◆ Play DVD when a DVD title already loaded

- Press DVD button on the remote controller.

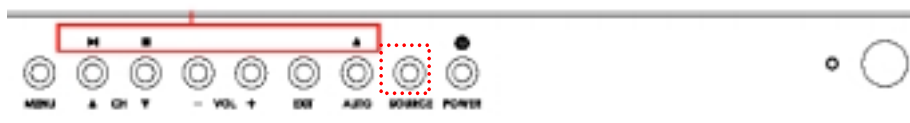


- Press the Play/Pause button to play the DVD.



- Also you can select DVD with the “Source” button on the Main TV set.

[Source Flow : Video→PC→Component→TV→
→S-Video→DVD→Video(repeat)]



- ◆ When the DVD is loading, you will see the display as shown below.

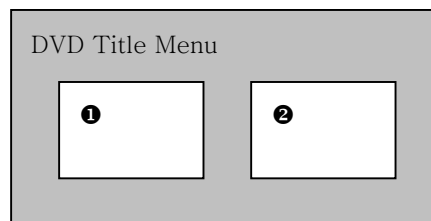


□ Playing DVD Video Disc

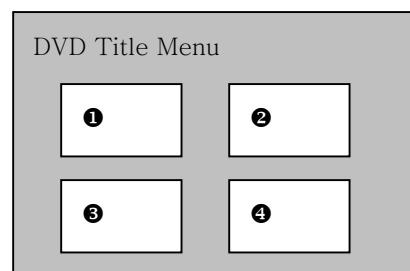
- ① Press PLAY to display the following.

* When a Title Menu appears on the screen.

In the case of many movie DVDs, an interactive DVD, or a Video CD with playback control, a title Menu appears on the screen. Perform next step to play



- ② Press SELECT [▲▼◀▶] buttons to select title and press ENTER



- ③ Play of the selected title now begins.

* Basic Playback Controls

Button	Function
▶□□	Starts playback or pauses a disc that's playing (press again to restart playback).
■	Stops playback.
◀◀	Press for fast reverse scanning.
▶▶	Press for fast forward scanning.
□◀	Skips to the previous chapter.
▶□	Skips to the next chapter.

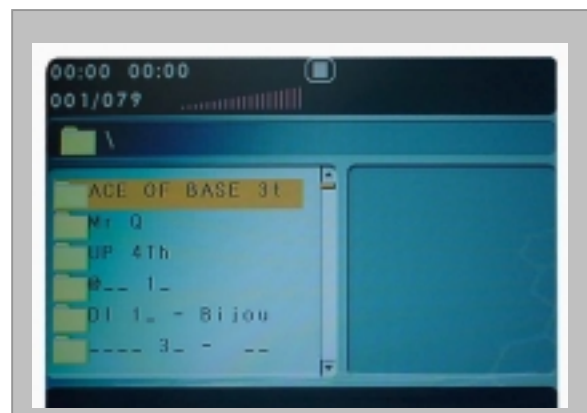
* Basic Disc Menu Controls

Button	Function
DVD MENU	Displays the top menu of a DVD disc-this varies with the disc.
RETURN	Returns to the previously displayed menu screen.
Cursor button	Moves the cursor around the screen.
ENTER	Selects the current menu option.
Number	Selects a numbered menu option.

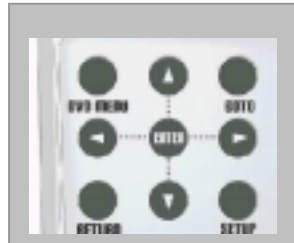
□ Playing MP3 discs

① Load a MP3 disc

MP3 menu screen is displayed automatically depending on MP disc's folder (directory) structure as shown below.



- ② Press [▲▼◀▶] buttons to
- ③ select title and press ENTER

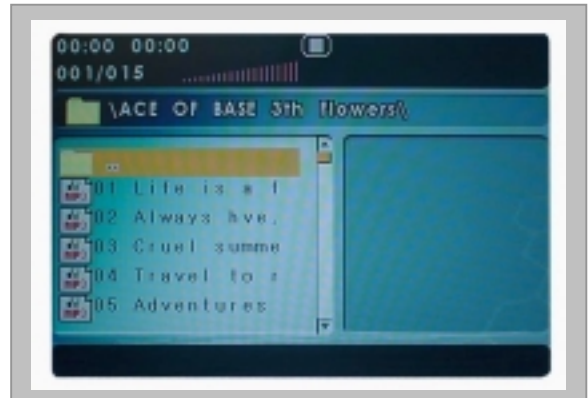


- ④ Press the ENTER button to select.

The TV screen shows the file lists under the folder.

- ⑤ With the [▲▼] buttons, find the **Desired MP3 title.**

Press the **ENTER** button to select.



Note

* This player can recognize a maximum of 126 folders and 255 tracks.

□ Playing Kodak picture CD and JPEG file play

When a Kodak Picture CD is inserted, an automated slide show is launched.

When a JPEG file is loaded, the table of contents is displayed on TV screen. 16 slideshow transition modes are provided. Use PROGRAM key to switch the slideshow transition mode.

- ① **Select the picture**

Select the picture you want to see with the [▲▼] buttons. The selected item shows as small size picture on the right side of File Menu screen.



<JPG file select picture>

③ Image rotation and zoom

There are 4 modes to rotate a picture :

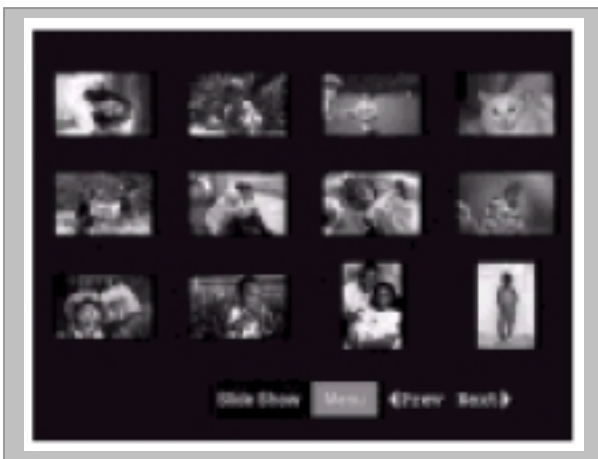
Left, Right, Invert, Mirror

- ▲ button : invert
- ▼ button : mirror
- ◀ button : Turn left
- ▶ button : Turn right

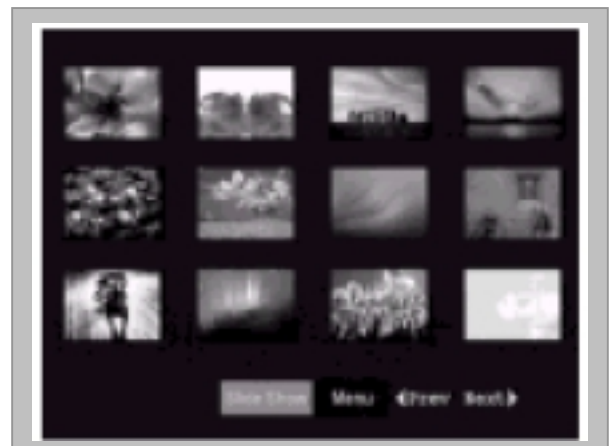
Press the ZOOM button and viewing zoom mode in 50% ~ 200% , by pressing ◀◀ or ▶▶ button.

④ Thumbnail mode

You can see 12 thumbnail pictures by using the STOP button.



<KODAK Picture CD>



<JPG File>

② Transition modes

- 1 : Wipe top (default)
- 2 : Wipe bottom
- 3 : Wipe left
- 4 : Wipe right
- 5 : Diagonal wipe left top
- 6 : Diagonal wipe right top
- 7 : Diagonal wipe left bottom
- 8 : Diagonal wipe right bottom
- 9 : Extend from center H
- 10 : Extend from center V
- 11 : Compress to center H
- 12 : Compress to center V
- 13 : Window H
- 14 : Window V
- 15 : Move In From Top
- 16 : None

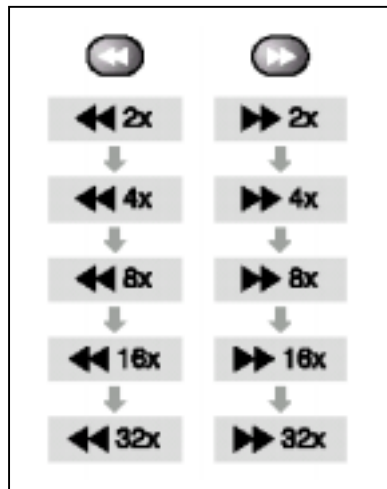
□ Advanced Playback

◆ Fast Forward/Backward

Use this function to play the DISC contents in fast forward or fast reverse. During searching, audio will be muted (except CDDA).

① Press or during play mode

Each time you pressed button, playback speed changes as below.



② Press ▶|| to resume normal playback

◆ Skip Forward/Backward

Use this function to move to the next or previous chapter for DVD, track for VCD and CDDA.

① Press ◀I during play mode.

The DVD receiver start playing the previous chapter or track

② Press ▶I during play mode.

The DVD receiver start playing the next chapter or track

Note

* There is no sound when viewing PAUSE/STEP or SLOW playback.

□ Using the GOTO MENU

When you press GOTO key, you will see the window as shown below.



① Selecting the Title

Press [▲▼] buttons
to select **Title** and press ENTER

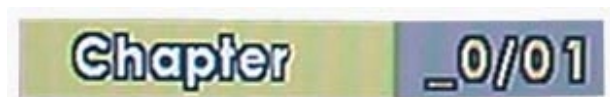
→ Or, you can use numeric keys to select a title.



② Selecting the Chapter

Press [▲▼] buttons
to select **Chapter** and press ENTER

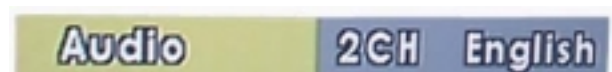
→ Or, you can use numeric keys to select a Chapter.



③ Selecting Audio Languages

Press [▲▼] buttons
to select **Audio** and press ENTER

→ The audio information is displayed as the figure shown over. Each time you pressed, the audio language is changed.



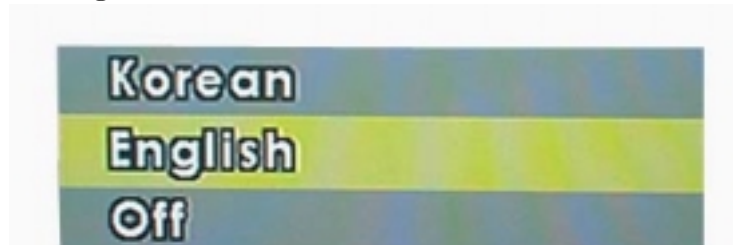
④ Selecting Subtitles(DVD Only)

Press [▲▼] buttons

to select **Subtitle** and press ENTER



→ The Subtitle information is displayed as the figure shown above. Each time you press, the Subtitle language is changed.



Note

- * Language function is a disc dependent. In this case, the language should be selected via the disc menu.
- * If the loaded disc does not support multiple audio, the invalid mark is displayed.

⑤ Switching the Camera Angle

- When a DVD contains recorded multiple angles of a scene, you can select the

Angle function. Make sure that the () angle mark is displayed on screen.

- Press [▲▼] buttons

to select **Angle** and press ENTER



→ Also, you can select a camera angle with numeric keys.

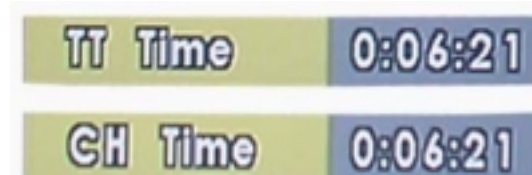
Note

- You can only change the angle for DVDs that provide multiple angles of scenes.
- The angle function will not work on DVD video discs that do not contains recorded multiple angles.
- The number of angles varies from disc to disc.

⑥ Time Search

You can move to a specific time in a track or title and see the playback time.

- Press [▲▼] buttons
to select **TT Time (CH Time)**
and press ENTER



→ You can set up the time with numeric keys.

- * Example : If you want to go to 0:31:25, press the numeric buttons in this order
(0, 3, 1, 2, 5) button.

⑦ Viewing Playback Time

- Press [▲▼] buttons
to select **Time Disp.** and press ENTER

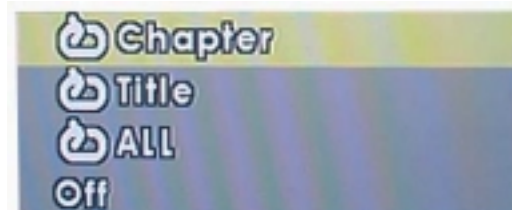
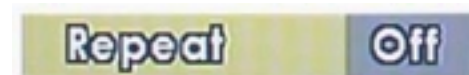
→ Selects by pressing [▲▼] buttons
and press ENTER



⑧ Repeat mode

- Press [▲▼] buttons
to select **Repeat** and press ENTER

→ Selects by pressing [▲▼] buttons
and press ENTER

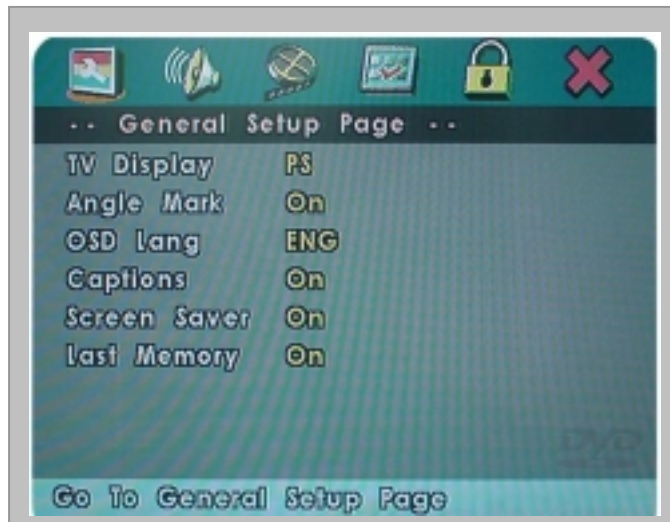


□ Using the Setup Menu

Once the initial settings have been completed, the player can always be operated under the same conditions whenever the power is switched on. These settings are called SETUP data that are easily modified and stored using the SETUP menu. The SETUP menu includes the information for GENERAL, VIDEO, AUDIO, PREFERENCES system controls.

◆ Basic Operations

Press **SETUP** button during stop mode. And use [▲▼◀▶] and **ENTER** button to navigate and select options. The current setting for any option is marked with a colored box.



- ① Press ■ button, if disc is being played.
- ② To call the SETUP menu, press **SETUP** button.
- ③ Use [▲▼◀▶] buttons to find desired items.
- ④ To turn off the SETUP menu, press **SETUP** button again.

Note

- Depending on the disc, some setup menu selections may not work properly.

◆ General Setup

① TV Display

Setup TV Aspect according to your TV set.

If wide screen is supported on your TV,

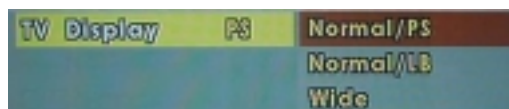
Select "WIDE". If your TV supports only

4:3, you may select both "Normal/PS"

(Pan & Scan) and "Normal/LB" (Letter Box).

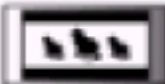
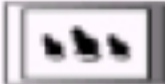

- Press [▲▼] buttons to select **TV Display**.

→ Selects by pressing [▲▼] buttons and press ENTER



* When using a standard TV (4:3 aspect ratio)

Select "Normal/LB" (Letter Box) or "Normal/PS" (Pan & Scan) in the TV ASPECT value. Following the chart below, make screen aspect adjustments according to the aspect ratio on the disc you are viewing.

	Wide Screen Disc(16:9)	Standard Screen Disc(4:3)
Screen	 Letter Box(4:3 LB)	 No setting required (Always Standard 4:3 screen)
	 Pan&Scan(4:3 PS)	

Note

- Some disc will not allow you to change the aspect ratio.

② Angle Mark

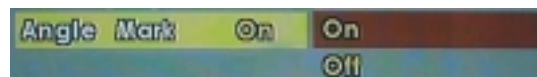
When playing DVD Titles that can be viewed

from different angles, Angle mark icon

appears on the upper part of the screen.

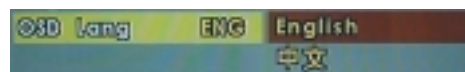
- Press [▲▼] buttons to select **Angle Mark**.

→ Selects by pressing [▲▼] buttons and press ENTER.



③ OSD Language

This item is used to select the language



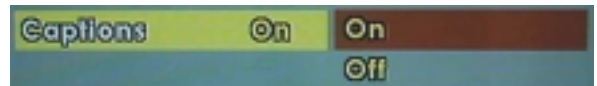
for On-Screen Display messages that will be displayed on the TV screen. When your desired language is selected, all OSD messages are displayed in the selected language.

- Press [▲▼] buttons to select **OSD Language**.

→ Selects by pressing [▲▼] buttons and press ENTER.

④ CAPTIONS

Adjusts caption selections.



- Press [▲▼] buttons to select **CAPTIONS**.

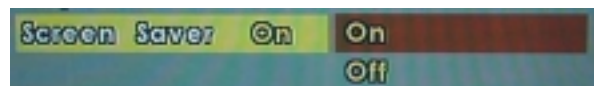
→ Selects by pressing [▲▼] buttons and press ENTER.

⑤ Screen Saver

If a bright picture does not move for a long time, the TV may be damaged.

If this state is continued on longer

than 5 minutes, the screen saver works when ON is selected. The screen saver protects the CRT (Cathode Ray Tube) from damage by displaying a moving DVD logo continuously on the screen.

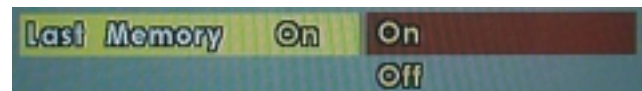


- Press [▲▼] buttons to select **Screen Saver**.

→ Selects by pressing [▲▼] buttons and press ENTER.

⑥ Last Memory

This option will display the last scene on the previous play.

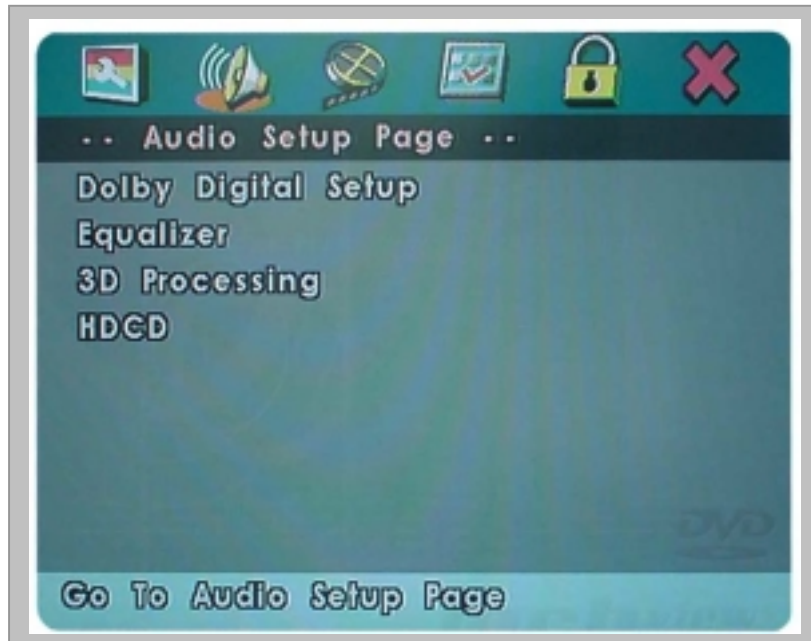


- Press [▲▼] buttons to select **Last Memory**.

→ Selects by pressing [▲▼] buttons and press ENTER.

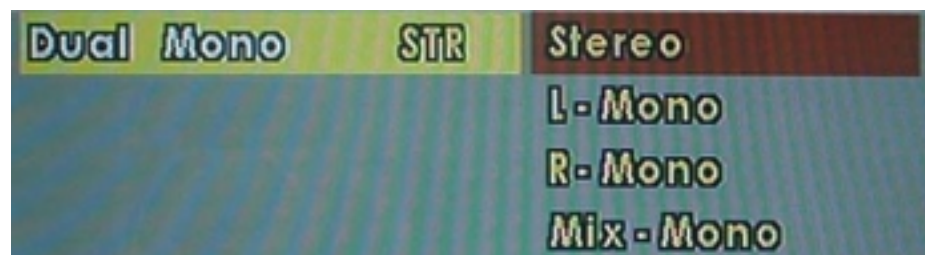
◆ Audio Setup

There are 4 sub items in the Audio submenu. When you press the **SETUP** button and select "Audio setup", the sub items for Audio are displayed as shown in the figure below.



① Dolby Digital Setup

- Press [▲▼] buttons to select **Dolby Digital Setup** and press ENTER.
- Then you will see two type of modes.
 - Dual Mono : Used when connecting to mono audio system or mono TV



→ Selects by pressing [▲▼] buttons and press ENTER.

- Dynamic (Only Dolby Digital DVD) : Signifies the dynamic range of Dolby Digital sound. Used when it is difficult to hear dialogues through stereo system or TV.



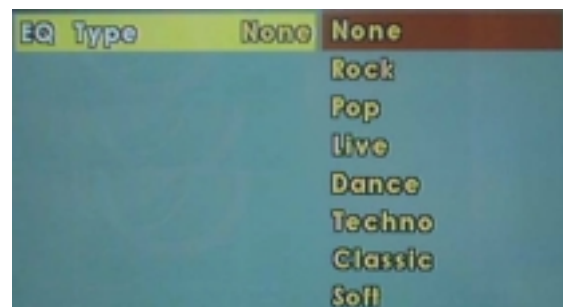
→ Selects by pressing [▲▼] buttons and press ENTER.

② Equalizer

- Press SELECT [▲▼] buttons to select **Equalizer** and press ENTER.
- Then you will see four type of modes.

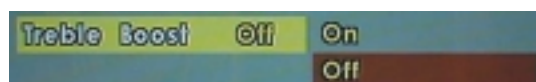
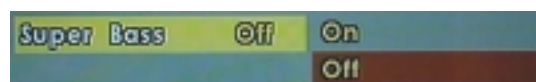
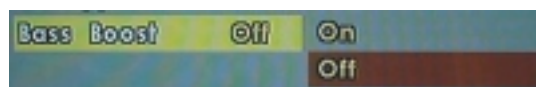
- EQ Type : Choose the desired preset equalizer

→ Selects by pressing [▲▼] buttons and press ENTER.



- Bass Boost, Super Bass, Treble Boost :

This is enhanced at all levels without distorting other frequency.



→ Selects each parameter by pressing [▲▼] buttons and press ENTER.

➤ 3D Processing

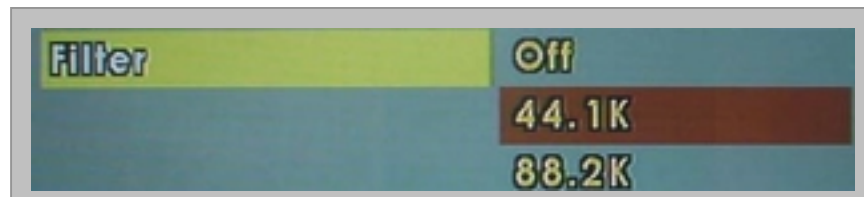
Press SELECT [▲▼] buttons to select **3D Processing** and press ENTER, then Reverb mode will display on the main window.



→ Selects by pressing [▲▼] buttons and press ENTER.

➤ HDCD

Press [▲▼] buttons to select **HDCD** and press ENTER, then Filter will display on the main window.



→ Selects by pressing [▲▼] buttons and press ENTER.

◆ Video Setup

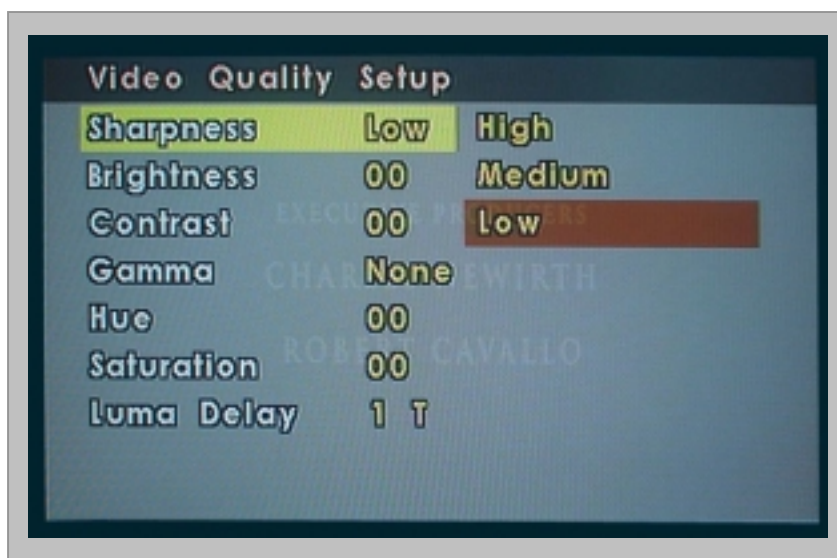
There are 1 sub item in the Video submenu. When you press the **SETUP** button and select "Video setup", the sub item for Video is displayed as shown in the figure below.



① Quality

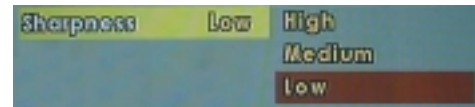
There are 7 sub items in the Video submenu. When you press the **Quality** button and select "Quality", the sub items for Quality are displayed as shown in the figure below.

→ Selects by pressing [▲▼] buttons and press ENTER.



➤ Sharpness

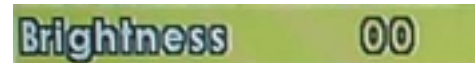
- Press [▲▼] buttons to select **Sharpness** and press ENTER.



→ Select with [▲▼] buttons “High, Medium, Low” then press ENTER.

➤ Brightness

- Press [▲▼] buttons to select **Brightness** and press ENTER.



→ Selects by pressing [◀▶] buttons “0 to 100” and press ENTER.

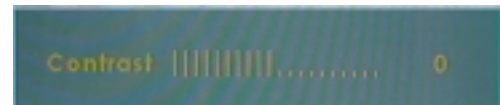


➤ Contrast

- Press [▲▼] buttons to select **Contrast** and press ENTER.

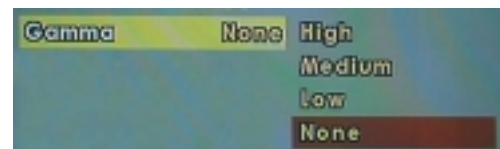


→ Selects by pressing [◀▶] buttons “0 to 100” and press ENTER.



➤ Gamma

- Press [▲▼] buttons to select **Gamma** and press ENTER.



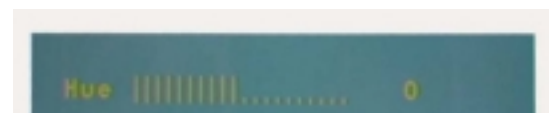
→ Select with [▲▼] buttons “High, Medium, Low, None” then press ENTER.

➤ Hue

- Press [▲▼] buttons to select **Hue** and press ENTER.

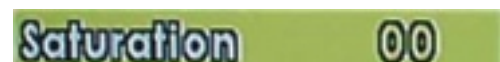


→ Selects by pressing [◀▶] buttons “0 to 100” and press ENTER.



➤ Saturation

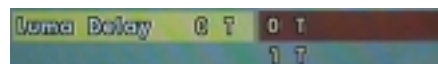
- Press [▲▼] buttons to select **Saturation** and press ENTER.



→ Selects by pressing [◀▶] buttons “0 to 100” and press ENTER.



➤ Luma Delay
 - Press [▲▼] buttons to select **Luma Delay** and press ENTER.



→ Selects by pressing [▲▼] buttons “0 T, 1 T” and press ENTER.

◆ Exit Setup Menu

- To exit from the menu.

→ Selects “Exit” with [◀▶] buttons, then press ENTER.

* Press “Setup” key for twice to exit from the menu.



■ Power Saving Mode

- In addition to low consumption of electricity, we added Power Saving Mode to minimize the power consumption.

Power Saving Mode

- ◆ The LCD-TV/DVD will automatically turn to standby mode in 5 minutes after the signal is undetectable.
For an example, this function will automatically turn your TV/DVD off when you fell asleep while you are watching TV/DVD at night.
The failure of signal input from the antenna will turn off the TV/DVD as well.
- ◆ After the TV/DVD is turned off by power saving mode, simply press the power button on your remote controller to turn back on the TV/DVD.

※Standby : Red light on Power LED

Standby mode is an option that saves the power to maximum. None of any buttons or actions will be made except the power switch. You need to power on to turn the TV/DVD back.

It is same condition without power. However the main power is still on. In the result of that, it minimized the power consumption at the most.

■ Troubleshooting

If there are any problems occur, please check out the list by followings.

TV Troubleshooting

Symptom	Check List	Note
Power does not come on. Power LED off. Have no display on the screen	Check out if the power cord plugged properly.	
No Sounds. Check out the connection cable.	Check out the connection cable.	
Speaker sound is too low.	Adjust the volume with 「+」 「-」 buttons.	
Display noises on TV screen and does not give a clean display.	Check out the TV antenna connector and wire. Also, check out the outdoor antenna condition.	
No display for TV signal.	Make sure the channel type is appropriate for your local area. Use auto search channel option on the OSD menu to find channels automatically.	
Image on the screen is shaking.	Check out if the cable is properly connected.	
Image on the screen is too bright or dark.	Adjust the brightness on the OSD menu.	
Image displays with strange colors or just black and white.	Adjust the color on the OSD menu.	
Image on the screen is too dark.	Adjust the contrast / brightness on the OSD menu.	
Image on the screen is not clear.	Adjust the contrast on the OSD menu.	
Display red light on power LED.	This means TV is running with power saving mode. TV will function properly by press power button on the remote controller.	

DVD Troubleshooting

Problem The disc is ejected automatically after loading.

Solution • Dirty or damaged disc

Problem Disc not seated properly in the disc guide.

Solution • Align the disc properly.

Problem Incompatible region number.

Solution • If the region number on a DVD-Video disc does not match the number on the player, the disc cannot be used.

Problem Condensation inside the player.

Solution • Allow time for condensation to evaporate. Avoid using the player near an air-conditioning unit.

• Playback is not possible.

Problem Disc is loaded upside down.

Solution • Reload the disc with the label side face up.

Problem A Super VDC is does not conform with the IEC.

Solution • standard might not play normally.

Problem Mark appears on screen.

Solution • The operation is prohibited by the player and / or disc.

Problem Picture playback stops and the operation buttons cannot be used.

Solution • Press , then start playback again .

• Switch the power off once using the front panel POWER button and then switch on again using the front panel POWER button.

Problem New settings made in the Setup screen menus while a disc is playing are ineffective. Settings are canceled.

Solution • Some settings can be changed while a disc is playing, but are not effective until the disc is stopped then restarted.

• This is not a malfunction. Make the same setting when the player is stopped.

• When the power is cut due to power failure or by unplugging the power cord, settings will be canceled.

• Before unplugging the power cord, press POWER button and checking that STANDBY indicator light on the front panel.

Problem Screen is stretched or aspect does not change.

Solution • The TV ASPECT setting in the Setup menu is incorrect. Set the TV ASPECT option to match the TV/monitor you're using.

Problem The remote control doesn't seem to work.

- Solution**
- Due to the player's copy protection circuits, connection of this device through a VCR or an AV selector may prevent recording or cause picture problems. This is not a malfunction.
 - The Control In jack on the rear panel is connected.
 - Check that REMOTE CONTROL SW is set to the external position.
 - The remote control is too far from the player, or the angle with the remote sensor is too wide.
 - Use the remote within its operating range.
 - The batteries are exhausted. Put in new batteries.
 - Check that REMOTE CODE setting is set to the correct position.

Problem No audio, or audio is distorted.

- Solution**
- Dirt, dust, etc. on the disc.
 - Clean the disc.
 - Interconnects are not fully inserted into the terminals (or are not connected).
 - Check that all interconnects are firmly inserted.
 - Dirty or oxidized plugs/terminals.
 - Clean the plugs/terminals.
 - The disc is paused.
 - Press (play) to exit the pause mode.

Problem The analog audio is OK, but there appears to be no digital audio signal.

- Solution**
- Incorrect Audio menu settings.
 - Make sure that the Digital Out setting is set to BITSTREAM or PCM.
 - Check that the BITSTREAM and PCM settings are suitable for your amplifier - check the amp's instruction manual.

Problem Noticeable difference in DVD and CD volume.

- Solution**
- DVDs and CDs use different recording methods. This is not a malfunction.

Problem The disc containing the MP3 tracks won't play.

- Solution**
- If the disc is a recordable CD, make sure that the disc is finalized.
 - Check that the track(s) are in the MPEG1 Audio Layer 3 format.
 - Check that the sampling rate of the track(s) are 32 or 44.1 or 48kHz.

Problem Some MP3 tracks appear to be missing from a disc.

- Solution**
- If a track name does not end in ".mp3" or ".MP3", this player will not recognize it as an MP3 track.
 - This player only recognizes the first 126 folders and 255 tracks on a disc. If there are more folders/tracks than this, you will not be able to play them.

■ Specification

Screen Size		Samsung 17" Wide (Diagonally)
LCD System	Type Display Area Backlight Type Lamp Life of Back light	Active Matrix (a-si TFT) 370.560 (H) X 222.336 (V) CCFL-4PCS 50.000 hours
Video	Color Sytem compatibility TV Tuner Compatibility Brightness Contrast Ratio Viewing Angles (U/D/L/R) Resolution Response Time Digital Comb Filter Video Quality	NTSC/PAL (Optional) Video system NTSC/PAL (Optional) CCIR TV Standard System 450 Cd/m ² 450:1 65/55/70/70 1280 X 768 (WXGA) < 25ms Adaptive 4H Comb Filter Video noise reduction & De-interlacer (Option)
Audio	MTS+SAP multiple/Stereo Speaker	Yes 2way 4speakers, 10W x2 (typ.)
In/Out	Input Output	Video: Composite RCA x1 S-Video x1, PC, D-Sub x1 DTV [Component] RCA x 3 RF: Ant-In Terminal Audio: Composite / S-Video / DTV Headphone Jack x1 DVD Video / Audio L/R: RCA x3
Function & Convenience	PIP, Remote Control Support V-Chip/Closed Caption/ Teletext (option) OSD(On Screen Display) User interface, Compatible VESA DPMS power saving mode VESA DDC1/2B Compliant Wall mount VESA Standard	Video/TV-on-DTV/PC
Power	Source/Consumption	AC 110~240V/50~60Hz/ 50W max
Size	Dimension Box Dimension	627 x 128 x 380 (mm) 688 x 180 x 478 (mm)

DVD Specification

General	System	DVD-Vdio, DVD-R, Super VCD, Video Cd, Cd and MP3 files
	Operating Temperature	0°C to 45°C
	Operating Humidity	10% to 75% (No Condensation)
Video Output	Output Level	1.0Vp-p (75Ω)
	Component Video Output (Y,Cb/Pb,Cr/Pr)	Y: 1.0 Vp-p, (75Ω)
	Output Level	Cb/Pb,Cr/Pr: 0.7 Vp-p (75Ω)
Audio Output	During audio Output	2 Vrms (1kHz, 0dB)
	Number of channels	2
Audio Characteristics	Frequency response	4Hz to 44kHz (DVD fs: 96kHz)
	S/N Ratio	103dB
	Dynamic Range	195dB
	Total Harmonic Distortion	0.004%

The specifications and design of this product are subject to change without notice, due to improvement.

How To Clean**■ Cabinet**

- Pull the plug and clean with dry cloth.

■ Panel

- Gently wipe with soft and dry cloth.
 - Do NOT use polisher, benzol, thinner.(This may cause deform or fading.)
 - Use recommended Antistatic, cleaner for LCD-TV and Monitor only.
Ask near retail store.
 - Clean metal part on plug frequently with dry cloth
 - ※ Failure to do so may cause an electric shock or fire.
 - Repair for damages or break by falling or misuses by user will be charged.

Caution

Power Supply, Voltage

- Do NOT use other than proper voltage.
- Failure to do so may cause damage to the product. Use only provided power supply by manufacturer.
- This product is for domestic only. Cannot be used outside of country due to voltage difference.

Customer Service

■ Questions about product or Repair Service

* If you have any questions about product or repair service, please contact with retail store or our customer service.

■ Terms of Warranty

* This product comes with 2 years of warranty from the date of purchase.

* There may have chances of charged service during the warranty period. Please read warranty card carefully.