

Techview

17" TFT LCD TV & DVD COMBO

*Owner's
Instructions*



17" TFT LCD TV & DVD COMBO

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■ Safety Instructions

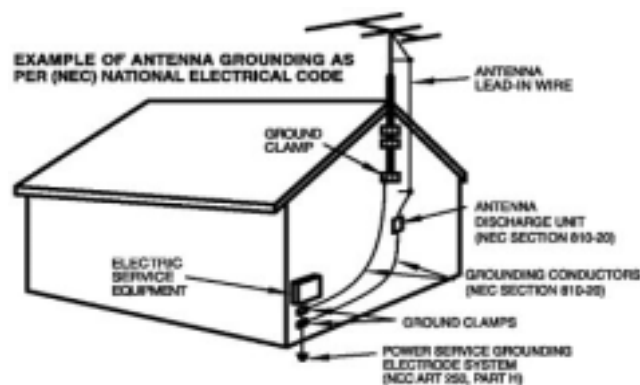
For assistance, please call: 1-XXX-XXXX (XXXX) or send e-mail to:

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



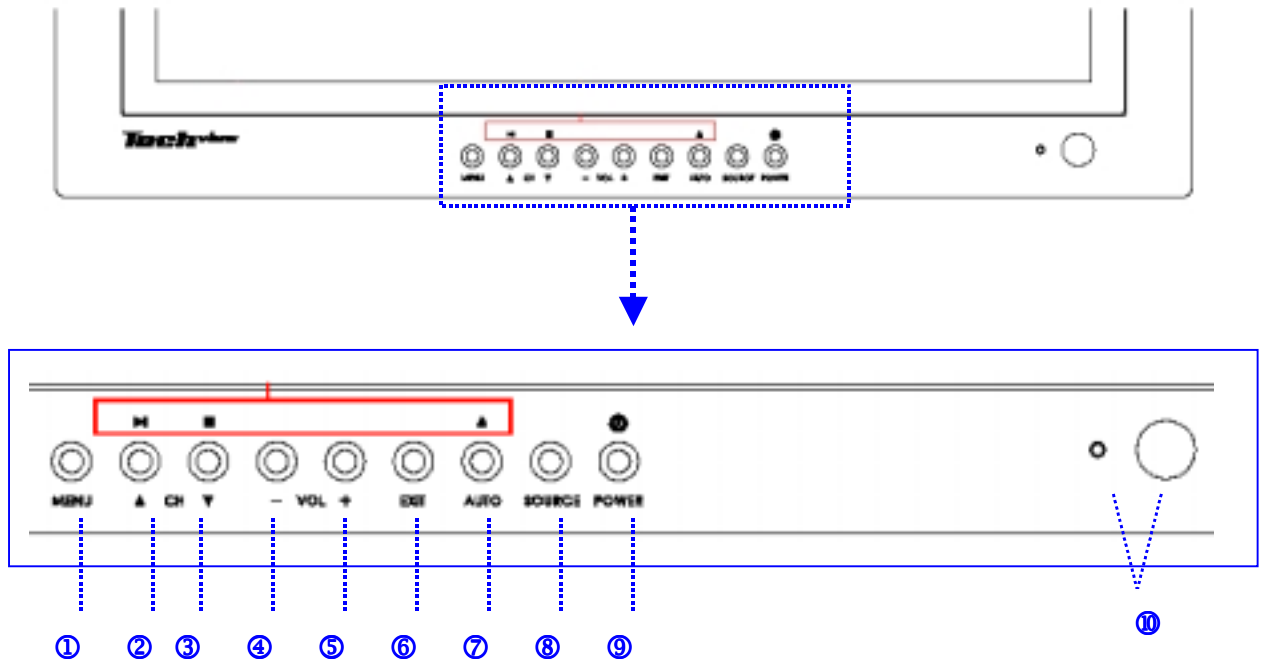
⑥



⑦

Description (Front/OSD)

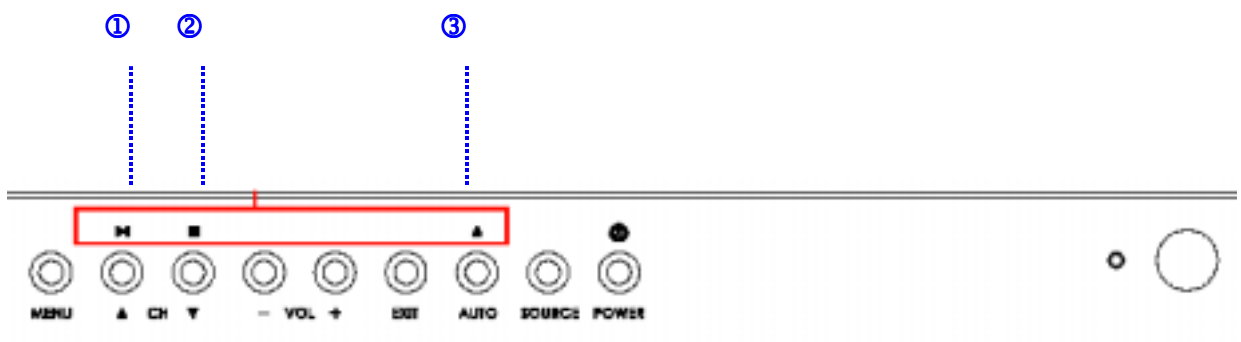
■ Key Specifications on the TV



- ① Menu : Display the menu to adjust the setting.
 - ② ~ ③ Channel 「▲」 「▼」 : Switch the TV/CATV Channel.
 - ④ ~ ⑤ Audio 「-」 「+」 : Adjust the audio volume.
 - ⑥ Exit : Out of menu on the OSD
 - ⑦ Auto : Display Auto Adjustment.
 - ⑧ Source : Select each input source.
 - ⑨ Power Switch : Turn On/Off the TV Set.
 - ⑩ * Power LED : Show the Power status.
(On : Green, Standby : Red, Off : None)
- * Remote Signal Sensor
: Receive the signal from the remote controller.

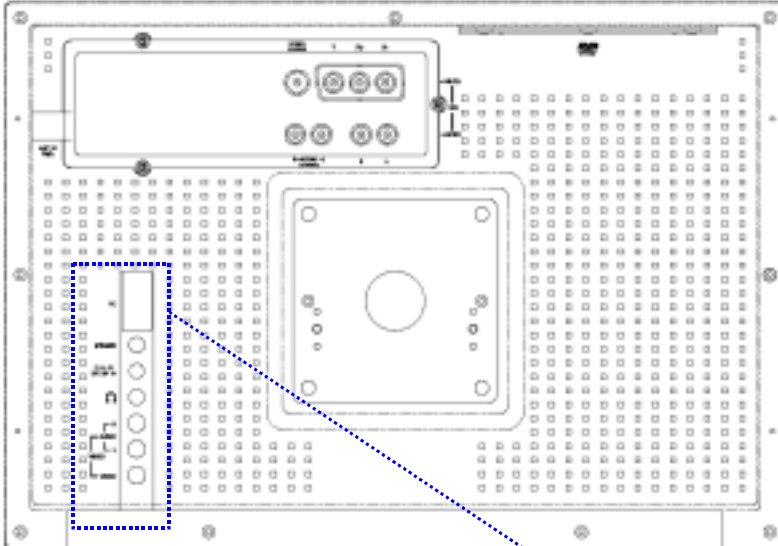
■ Key Specifications on the DVD

- ① Play/Pause : Plays the Disc or Pauses the movies and music.
- ② Stop : Stops operation of Disc.
- ③ Load/Eject : Used to load or eject DVD/CD

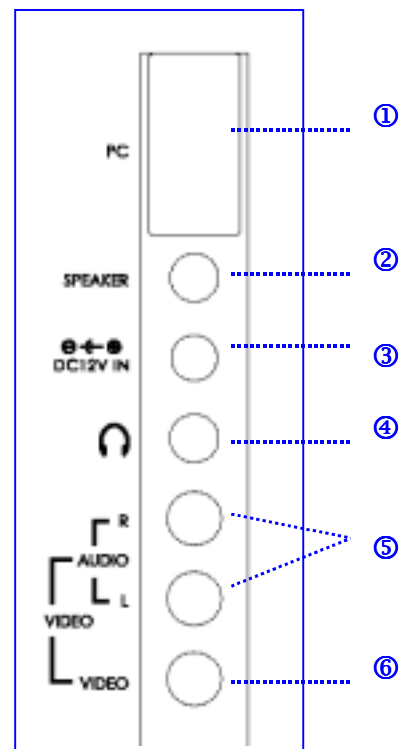


Description (Rear)

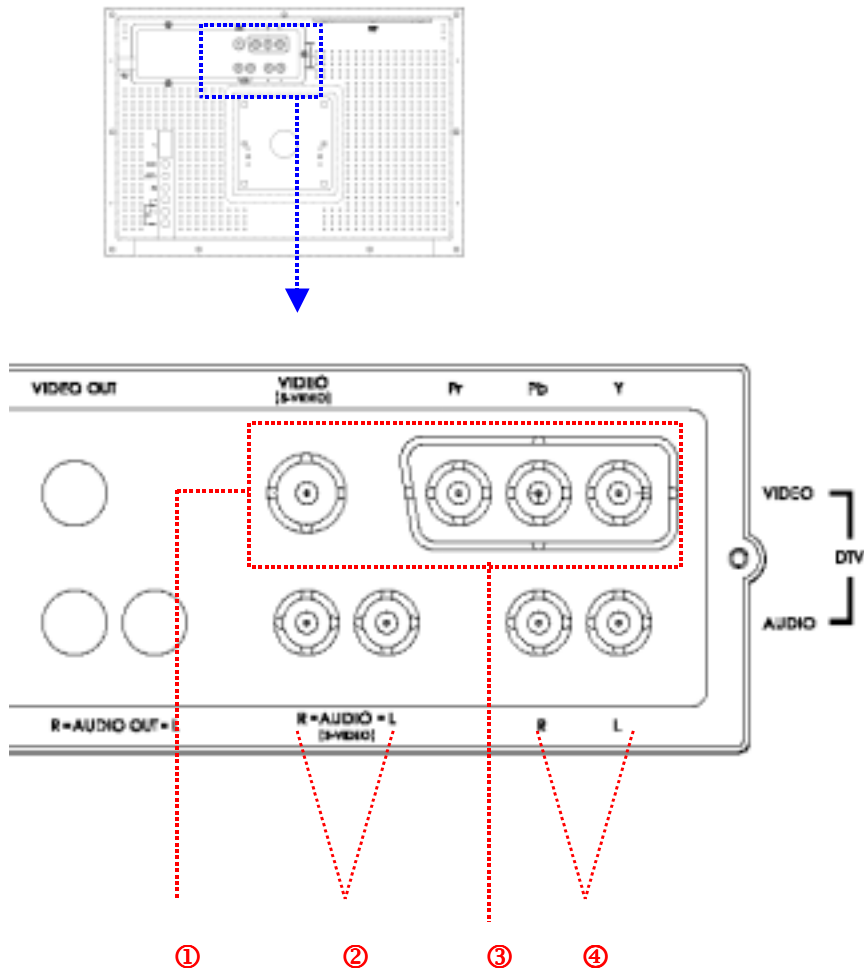
■ I/O Description - 1



- ① PC : Analog RGB Input (D-SUB).
- ② Speaker : External Speaker Out
- ③ DC 12V IN : DC 12V Power Input (DC-JACK).
- ④ Headphone OUT : Headphone Output (Phone-Jack).
- ⑤ VIDEO AUDIO[R/L] : Composite Audio Input (RCA).
- ⑥ VIDEO : Composite Video Input (RCA).

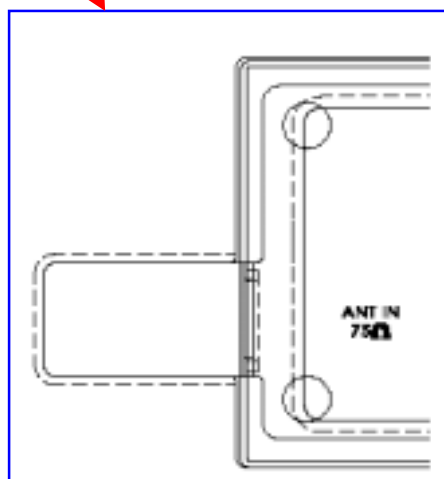
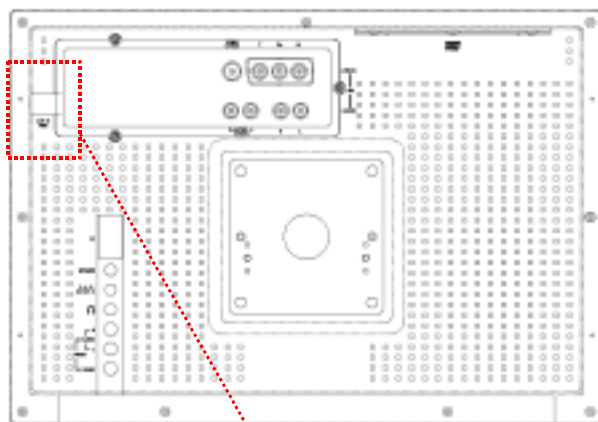


■ I/O Description - 2



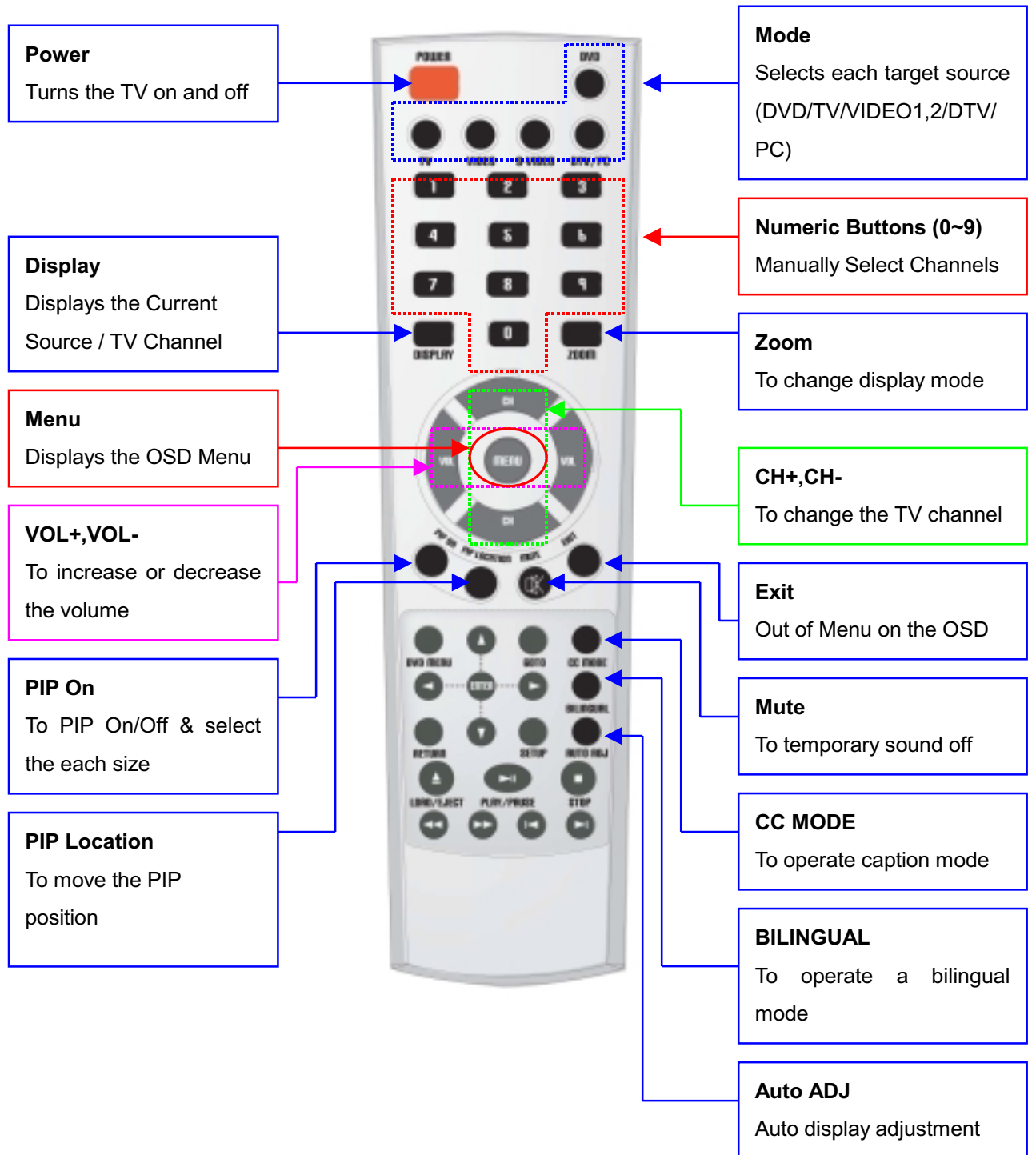
- ① S-VIDEO : Super Video Input (Mini-Din).
- ② S-VIDEO AUDIO [R/L] : Super Video Audio Input (RCA).
- ③ DTV : Component YPbPr Input (RCA).
- ④ DTV AUDIO [R/L] : DTV Audio Input (RCA).

■ I/O Description - 3



- ANT IN (75Ω)
 - RF Input (F-Connector)

◆ Remote Controller Description - TV



■ Remote control battery installation (Requires two AAA batteries)

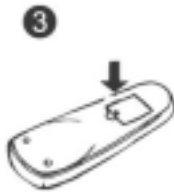
1. Turn the Remote Controller Unit face down. Remove top cover by pushing on marking and pulling cover off in the direction indicated.



2. Install the batteries as shown on the photo in the battery compartment. (Polarity + or - must match the markings in the compartment).



3. Replace the cover and push back until the lock snaps.



Precaution on battery use : Incorrect of battery installation can cause battery leakage and corrosion that will damage the remote control transmitter.

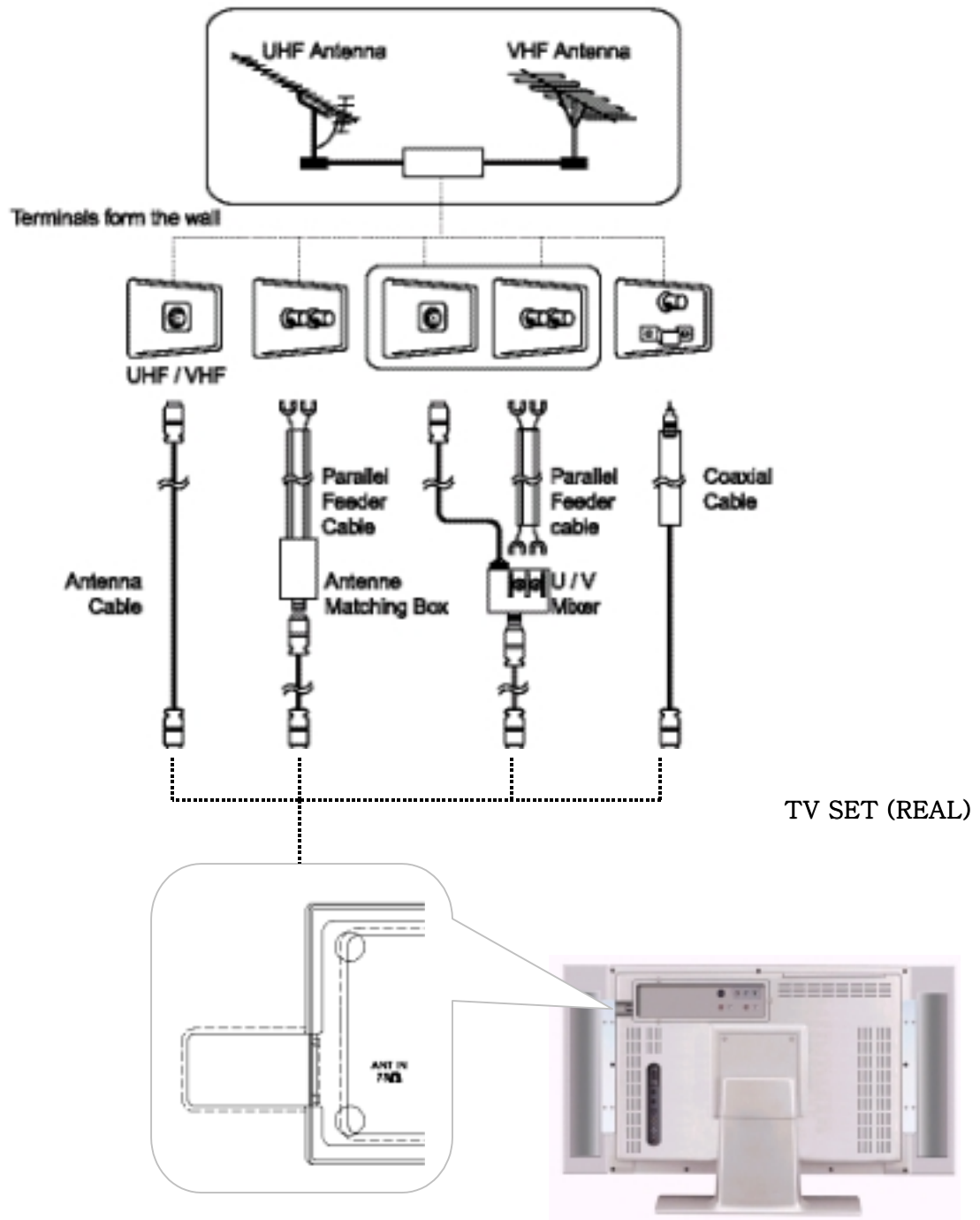
Observe the following precautions:

1. Batteries should always be replaced as a pair. Always use new batteries when replacing the old set.
2. Do not combine a used battery with a new one.
3. Do not mix battery types (example: "Zinc Carbon" with "Alkaline").
4. Do not attempt to charge, short-circuit, disassemble, heat or burn used batteries.
5. Battery replacement is necessary when the remote control acts sporadically or stops operating this unit.

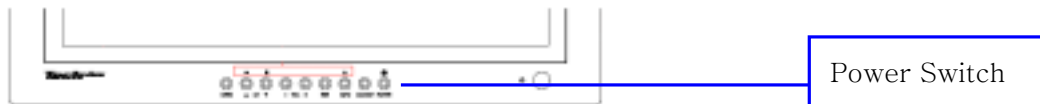
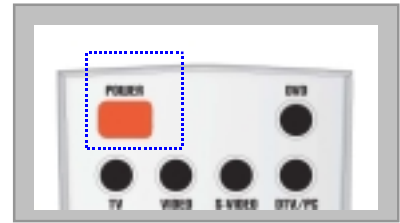
■ TV Setting

◆ Connecting Antenna

* All cables are sold separately except antenna cable.



◆ How to Operate the TV



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

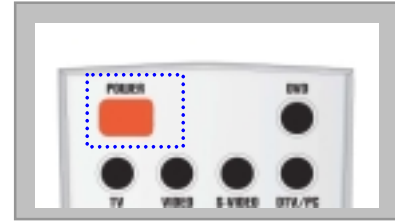
- Press numeric buttons or channel buttons to select channel you wish to watch.

Adjust volume

- Use 「Volume」 buttons to adjust the volume.

◆ Channel Tuning

- ① Turn the Power on and press the TV Source button to display the TV channel.



- ② Press the “Main Menu” button to display the **MENU** screen.



MENU Button



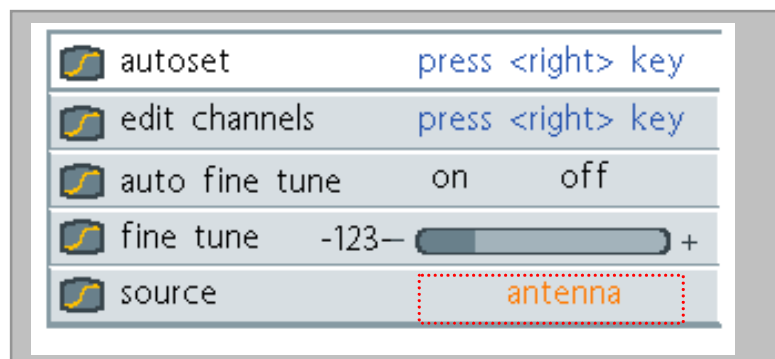
- ③ Select “TV” option with 「▼,▲」 buttons, then press 「▶」 button.



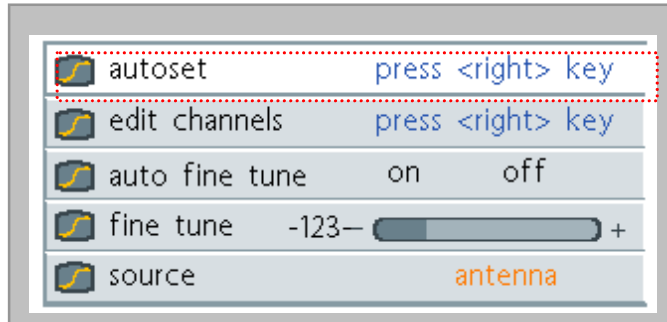
- ④ If submenu appears, select “Source” option with 「◀,▶」 buttons, then press 「Menu」 to select “Antenna / Cable SD / Cable HRC / Cable IRC”.

* Key Flow

[Antenna→Cable STD
→Cable HRC→
Cable IRC (Loop)]



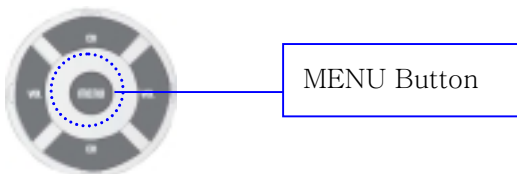
- ⑤ Select “Auto-set” option with 「▼,▲」 button, then press 「▶」 button to start auto-searching.



- ⑥ Now your TV will auto-search for channels.



- ⑦ After the auto-set completed, press the “MENU” key to exit the set up menu.



* Note :

- You can quit the “Auto-set” by pressing “EXIT” button at any time.
- After the “Auto-set” is completed, the channel automatically return to where it begun.

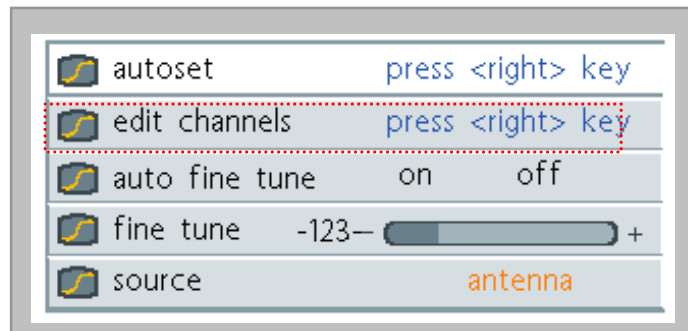
◆ Channel Editing

① Edit channels :

- Press the “Main Menu” button to display the **MENU** screen.
- Select “TV” with 「▼,▲」 buttons then press [▶] button.



- Select “Edit channels” option with 「▼,▲」 buttons.

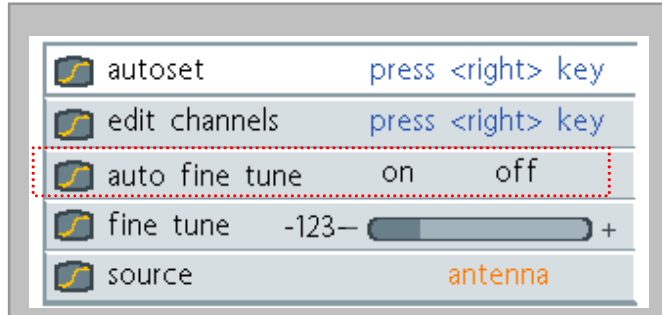


- Select channel “save” or “skip”

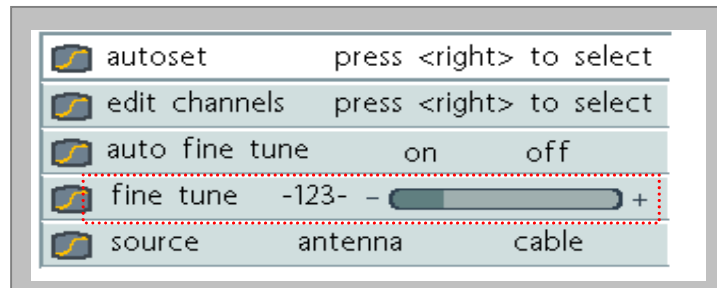


② Auto Fine Tune :

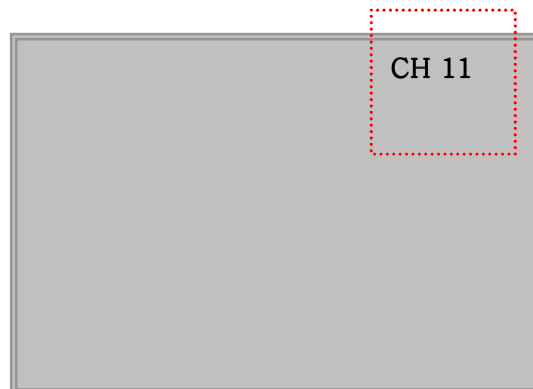
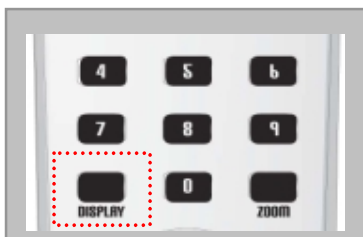
- To use 「▼,▲」 buttons, select “Auto fine tune” then you can turn on/off the mode.



- If you select “Off” the Auto Fine Tune, select “Fine Tune” with 「▼,▲」 buttons, then you can tune the channel with [◀, ▶] buttons.

****Display Button**

: To press the “Display” button on your remote controller, you will be able to see the channel information on the screen.

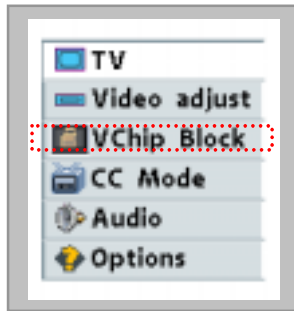


< TV Screen >

◆ Parental Control (V-Chip Block)

*This function can block certain rated television show or DVD title, which may harmful to children.

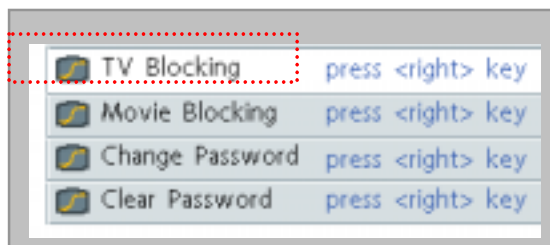
- Press the 「Menu」 key.
- Select  “V-Chip block” with 「▼,▲」 buttons, then press 「▶」 button.



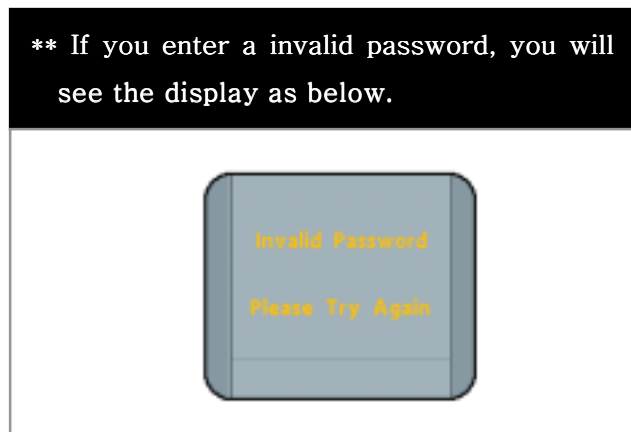
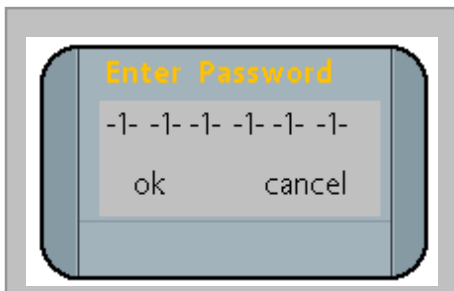
① Blocking

This option will setup the rating of the TV programs.

1. Select  “TV Blocking” with 「▼,▲」 buttons, then press 「▶」 button.



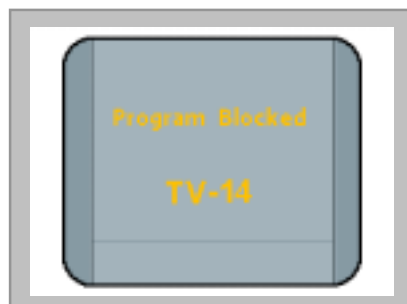
2. When the password window appears, input your password with 「▼,▲」 buttons and move your selection with [◀, ▶] buttons.



3. Move to "OK" buttons with [◀, ▶] buttons, then press 「Menu」 key.
4. If you wish to cancel, move the highlight to "cancel", then press the 「Menu」 key.
5. Move to "TV Ratings" with 「▼,▲」 buttons, then select the rate you wish to block with [◀, ▶] buttons.



6. If the block has been set up successfully, you will see the display as shown below.



** Note : TV Block Description


Icon	Main Menu	Sub-Menu1	Sub-Menu2	Description
	V-chip block	TV blocking	TV-Y	Setup for blocking TV-Y rated TV programs
			TV-Y7	Setup for blocking TV-Y7 rated TV programs
			TV-G	Setup for blocking TV-G rated TV programs
			TV-PG	Setup for blocking TV-PG rated TV programs
			TV-14	Setup for blocking TV-14 rated TV programs
			TV-MA	Setup for blocking TV-MA rated TV programs
		Change password	Change blocking password	Change your block password

**** TV PARENTAL GUIDELINES**

TV-Y		All Children - This program is designed to be appropriate for all children.
TV-Y7		Directed to Older Children - This program is designed for children age 7 and above.
	FV	Program Contains Fantasy Violence
TV-G		General Audience - Most parents would find this program suitable for all ages.
TV-PG		Parental Guidance - This program may contain some material that some parents would find unsuitable for younger children.
	V	Program Contains Moderate Violence
	S	Program Contains Some Sexual Situations
	L	Program Contains Infrequent Coarse Language
	D	Program Contains Suggestive Dialogue
TV-14		Parents Strongly Cautioned - This program is specifically designed to be viewed by adults and therefore may be unsuitable for children under 14.
	V	Program Contains Moderate Violence
	S	Program Contains Some Sexual Situations
	L	Program Contains Infrequent Coarse Language
	D	Program Contains Suggestive Dialogue
TV-MA		Mature Audience Only - This program is specifically designed to be view by adults and therefore may be unsuitable for children under 17.
	V	Program Contains Moderate Violence
	S	Program Contains Some Sexual Situations
	L	Program Contains Infrequent Coarse Language

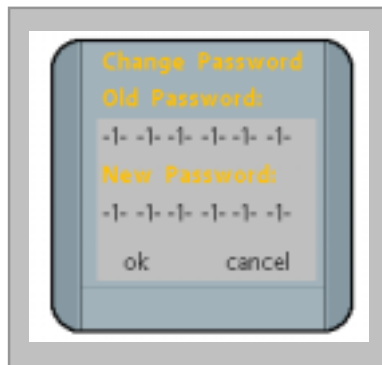
② Change Password

*This will change your V-Chip password.

1. Select  "Change Password" with 「▼,▲」 buttons, then press 「▶」.



2. Input previous password, then input your new password.



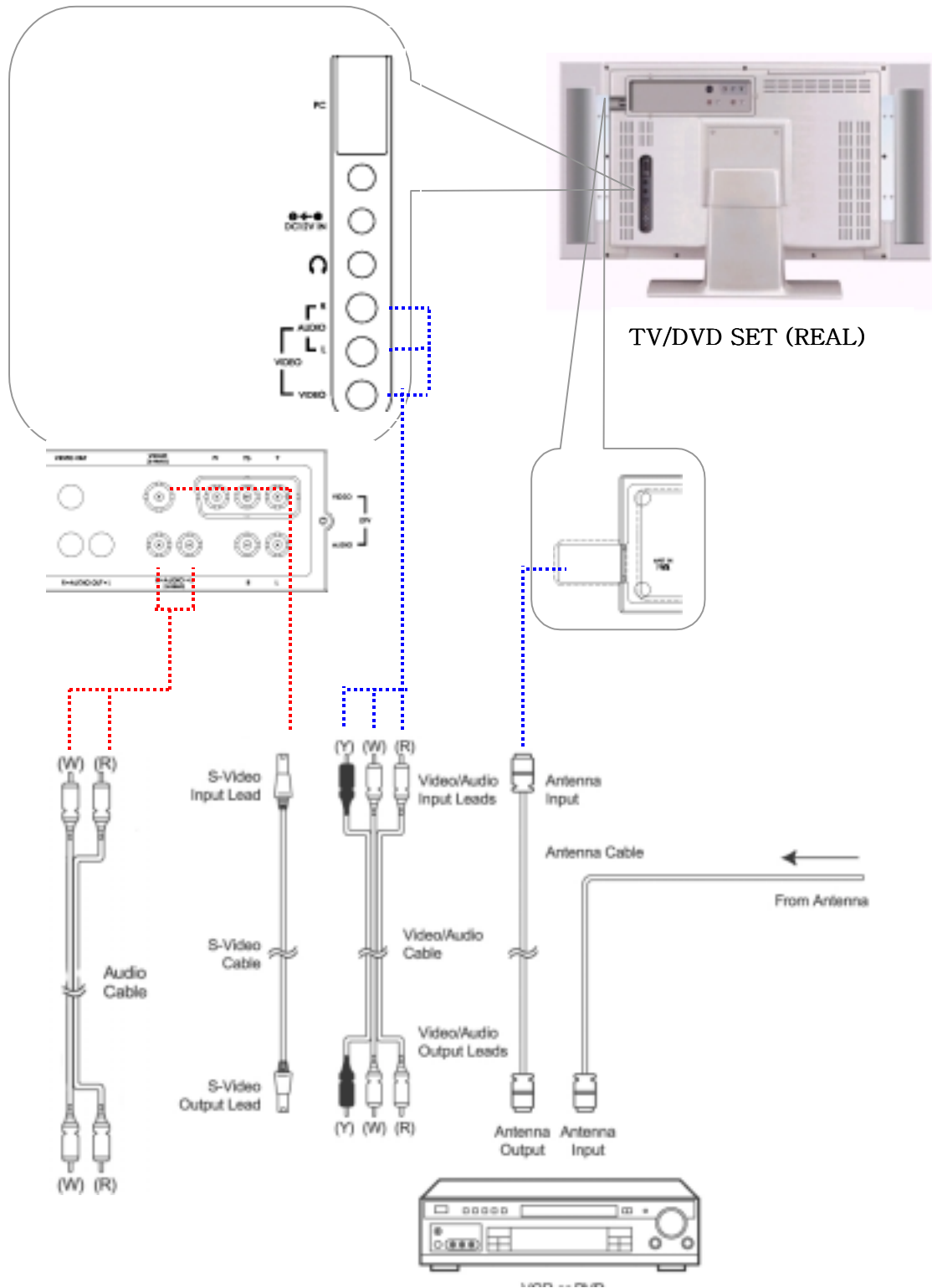
3. If the password successfully changed, you will see the display as below.



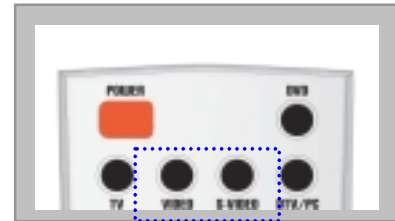
4. Move to "OK" buttons with [◀, ▶] buttons, then press the 「Menu」 key.
5. A confirm window will display for about 3 seconds then disappeared.
6. If you wish to cancel, move the highlight to cancel, then press the 「Menu」 button.

■ VCR Setting

◆ Connecting to VCR



- ① Install the VCR as shown on the picture above.
- ② Press **VIDEO** or **S-Video** Source button to select a source.



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

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

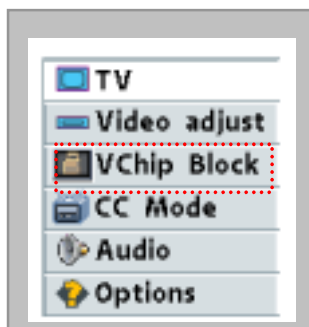


- ③ Now you can enjoy your VCR.

◆ Parental Control (V-Chip Block)

*This function can block certain rated television show or DVD title, which may harmful to children.

- Press the 「Menu」 key.
- Select  "V-Chip block" with 「▼,▲」 buttons, then press 「▶」 button.



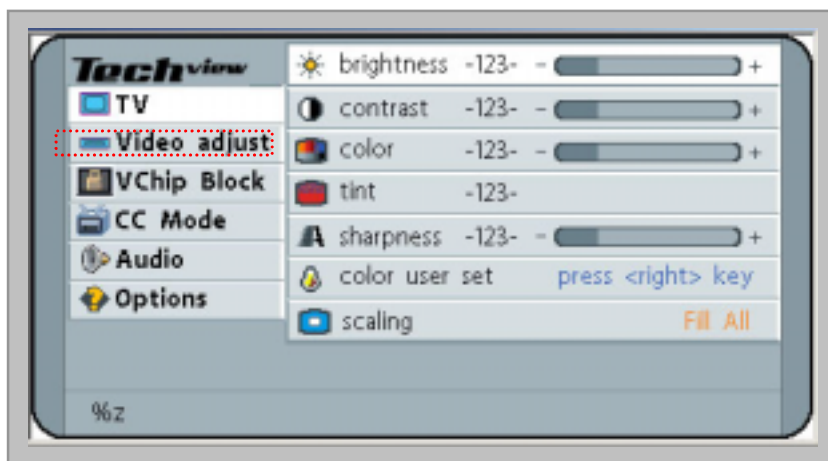
■ Video Adjustment

Press the “Menu” button on your remote, then select “Video Adjust” by using 「▼,▲」 buttons.



Press 「▶」 button to display sub-menu as shown as the picture below.

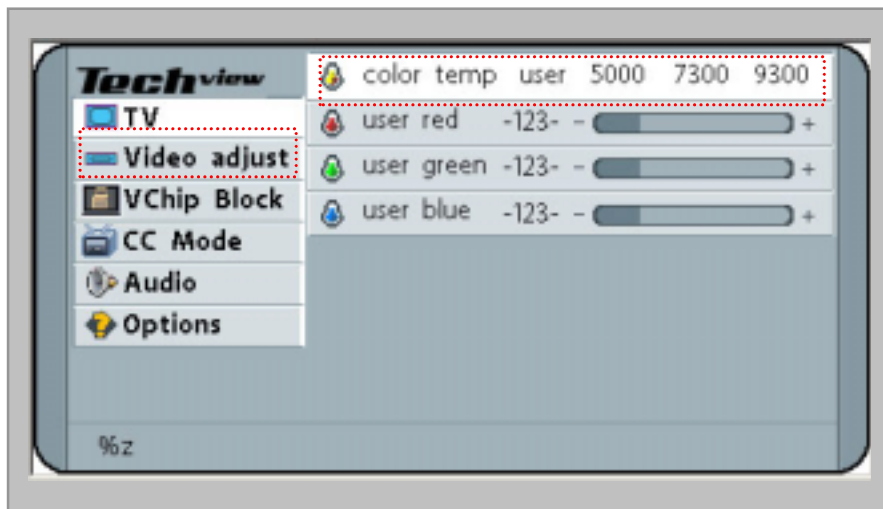
*You can adjust value of “brightness” ,”contrast” ,”Color” ,”Tint” ,”Sharpness” ,”Color setting” and “Scaling” from this menu.



Press 「▼,▲」 buttons to select a mode and adjust the value of listed modes with [◀ , ▶] buttons.

- Color User Set

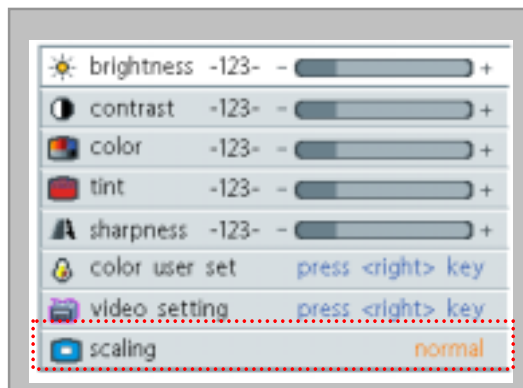
- This option let you set up the color temperature. You can simply choose either “5000”, “7300”, “9300” or “user” mode to set the color temperature as user’s need.
- On “user” mode, press 「▼,▲」 buttons, you can select from red, green or blue and adjust the value with [◀ , ▶] buttons.



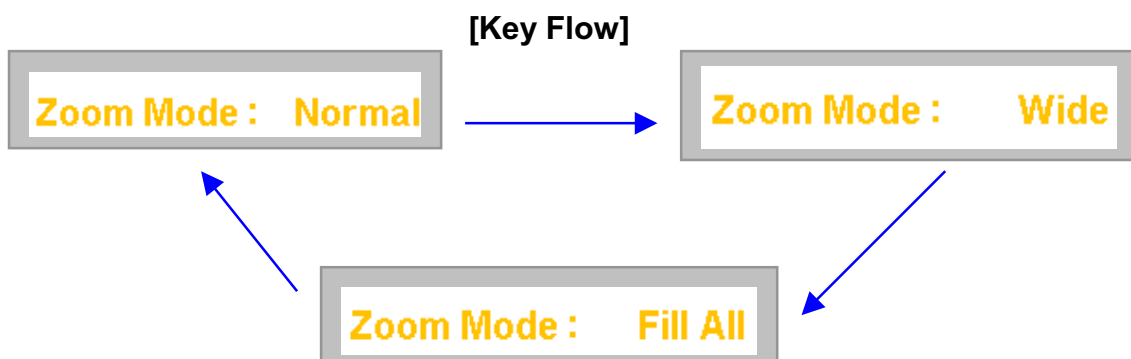
- Zoom Key

Press the “Zoom” key on the remote controller, or “Scaling” on the OSD menu to change the display mode.

1. On the main Menu, press 「▼,▲」 buttons and select **Video Adjust**, then press [▶] button.
2. Press 「▼,▲」 buttons to select a **Scaling** mode and adjust the value of listed modes with [◀, ▶] buttons.



** Keep press the “Zoom” key to select “Normal” or “Wide” mode when you use remote controller.



① 16 : 9 Video Source



<Normal / Wide>



<Fill All>

② 4 : 3 Video Source



< Fill All / Normal>




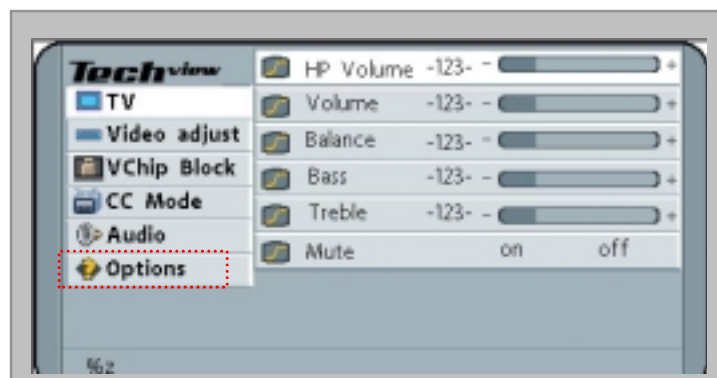
<Wide>

■ Audio

* Adjust the sound options.

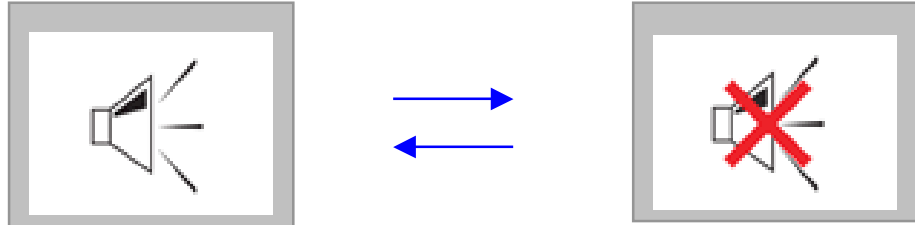
- HP (Headphone), Volume, Bass, Treble and Mute

1. Press the 「Menu」 key.
2. Press 「▼,▲」 buttons to select  "Audio" then press 「▶」 button.
3. Select the mode you wish to change with 「▼,▲」 buttons.
4. Adjust the sound value with [◀, ▶] buttons.
5. Press the 「Menu」 key to return to the main menu.



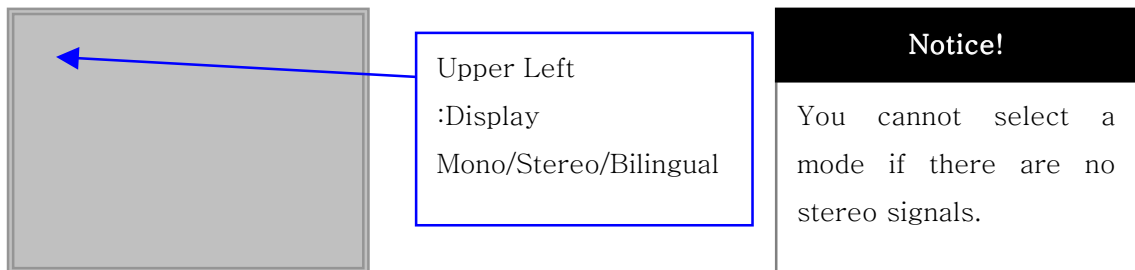
** Mute Key : You can mute the volume with “Mute” key.

[Key Flow : Mute On → Mute Off → Mute On]



** Bilingual/Mono/Stereo Mode

: Select Bilingual/Mono/Stereo mode with Bilingual key on your remote controller.

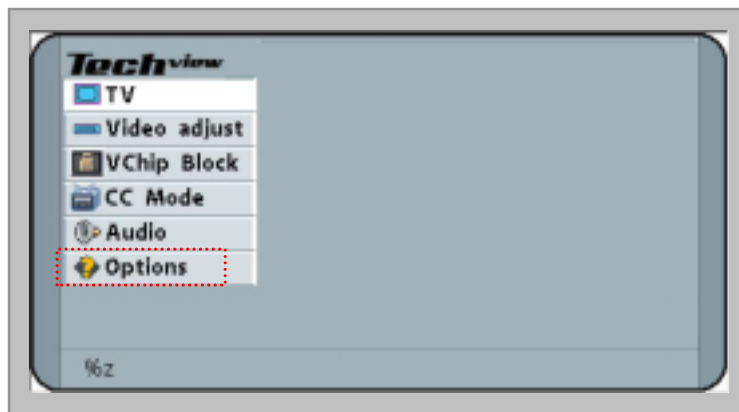


■ Option

Adjust the OSD position & delay time.

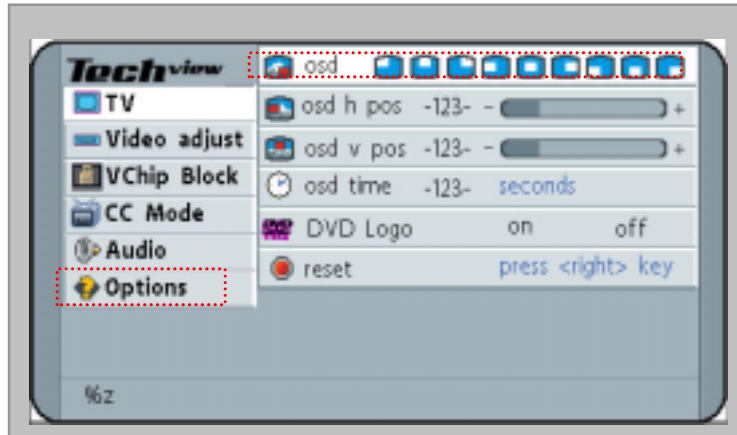
Press the 「Menu」 button.


Press 「▼,▲」 buttons to select  “Options” then press 「▶」 button.



- OSD



* Adjust the OSD window position.

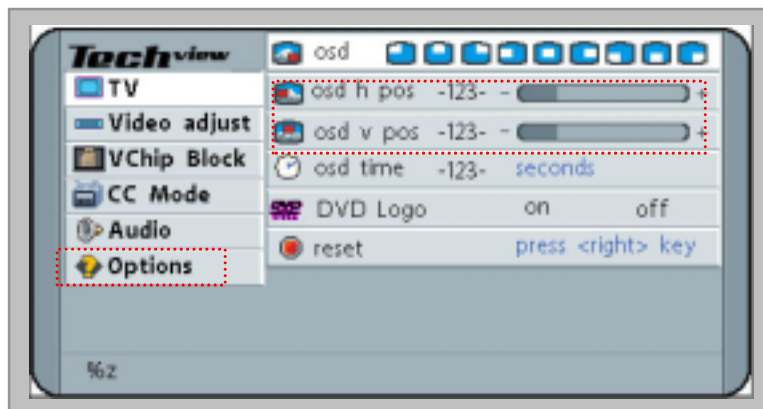


1. Move to  "OSD" with 「▼,▲」 buttons.
2. Adjust the position by using [◀, ▶] buttons.
3. Return to the main menu by using 「Menu」 key.

- OSD H. Pos. & V. Pos.


* Move the OSD position by left/right.

1. Press the 「Menu」 button.
2. By pressing 「▼,▲」 buttons to select  "Options" then press 「▶」 button.
3. Move to  "OSD H. Pos." or "OSD V. Pos" with 「▼,▲」 buttons.
4. Adjust the position by using [◀, ▶] buttons.
5. Return to the main menu by using 「Menu」 key.



- OSD Time

* Set the OSD display time.

1. Move to  "OSD Timeout" with 「▼,▲」 buttons.
2. Set the OSD display time with [◀, ▶] buttons.
「-」 to reduce time (min. 5 sec)
「+」 to increase time (max. 60 sec)
3. Return to the main menu by using 「Menu」 button.



- HDRReady Logo

* Display or Hide the HDRReady Logo

- Reset

* Resume all settings to factory setup.

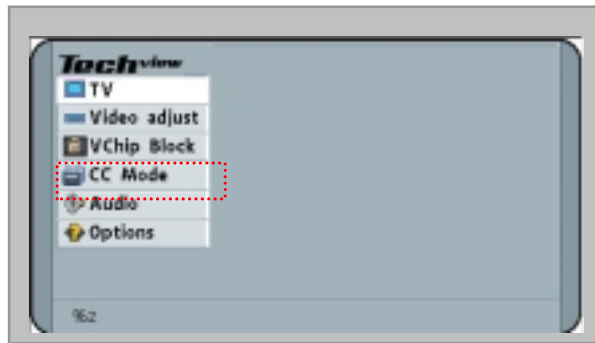
1. Move to  "Factory Reset" by using 「▼,▲」 buttons.
2. Reset the settings by press 「▶」 button.

■ CC Mode (Closed Caption Mode)


* Modify the Closed Caption mode.

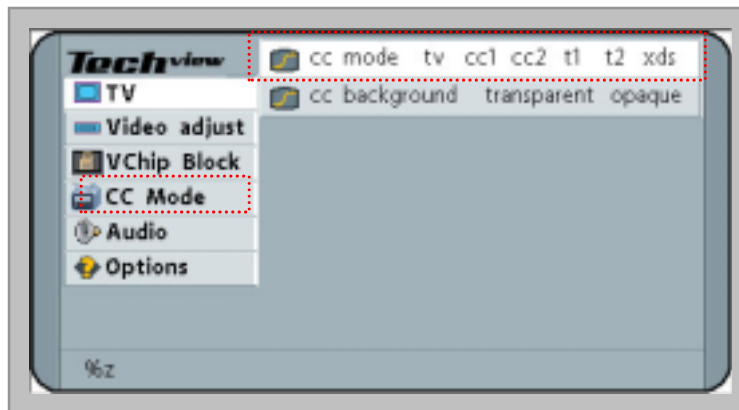
Press the 「Menu」 button.

Press 「▼,▲」 buttons to select  “Closed caption” then press 「▶」 button.



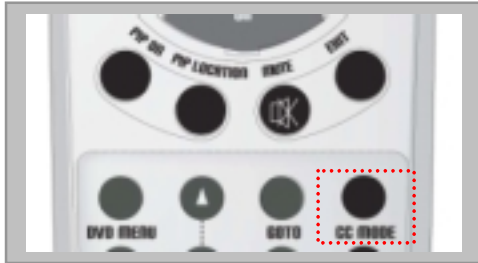
- CC Mode

1. Select  “CC mode” with 「▼,▲」 buttons, then press 「▶」 button.
2. Choose one of options from TV, CC1, CC2, T1, T2, XDS then press 「▶」 button.
3. If you wish to cancel, move the highlight to cancel, then press the 「Menu」 key.

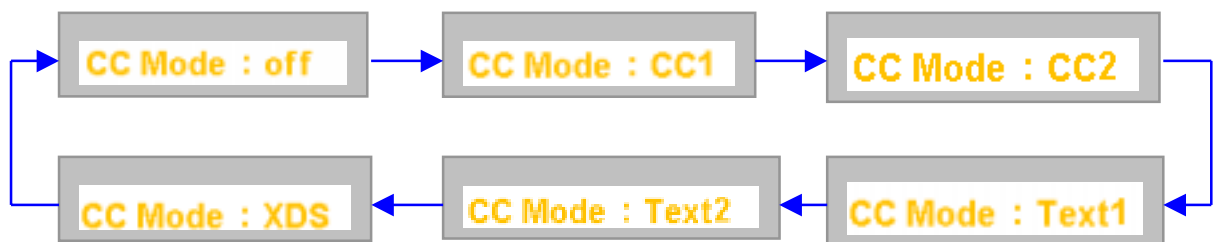


4. Also, you can select with “CC Mode” button on your remote controller.

: Keep press the “CC mode” button until you get the caption mode you wish to watch.




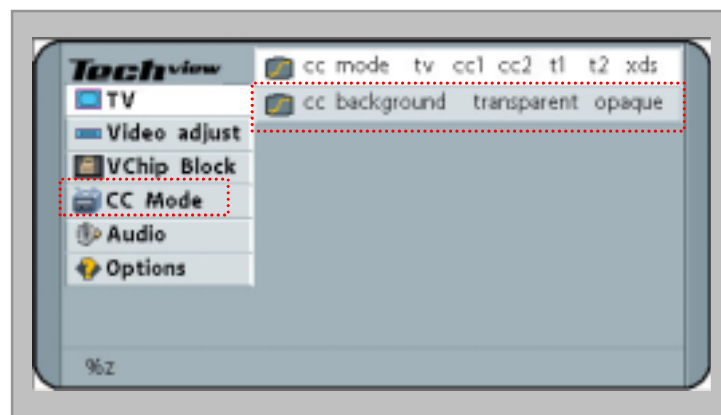
Key Flow
[TV→ CC1→ CC2→ T1→ T2→ XDS(Loop)]



- CC Background (Closed Caption Background)

- Change the background of Closed Caption.

1. Select  “CC Background” with 「▼,▲」 button.
2. Select either “Transparent” or “Opaque” with [◀, ▶] buttons, then press 「▶」 button.
3. If you wish to cancel, move the highlight to cancel, then press the 「Menu」 key.

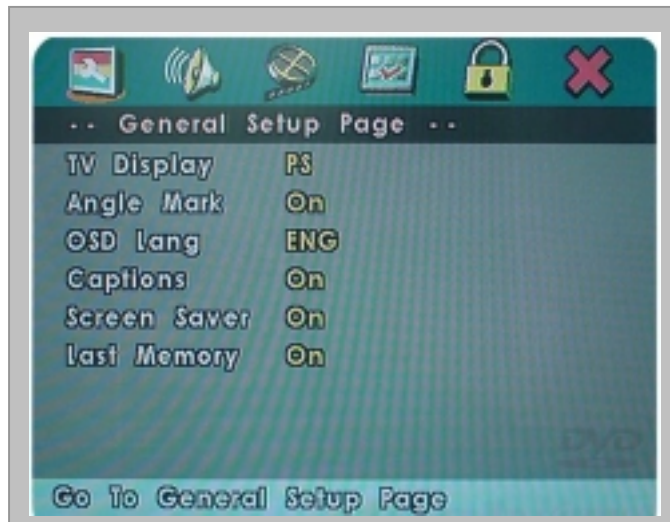


□ Using the Setup Menu

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.

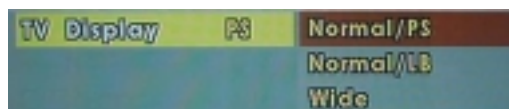
If wide screen is supported on your TV,

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

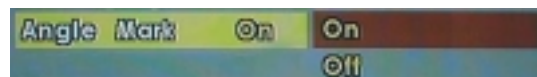
When playing DVD Titles that can be viewed

from different angles, Angle mark icon

appears on the upper part of the screen.

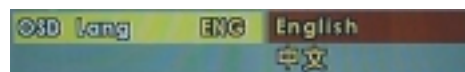
- Press [▲▼] buttons to select **Angle Mark**.

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



③ OSD Language

This item is used to select the language



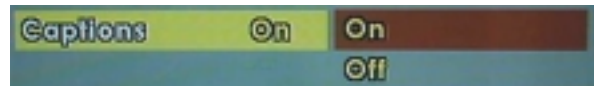
for On-Screen Display messages that will be displayed on the TV screen. When your desired language is selected, all OSD messages are displayed in the selected language.

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

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

④ CAPTIONS

Adjusts caption selections.



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

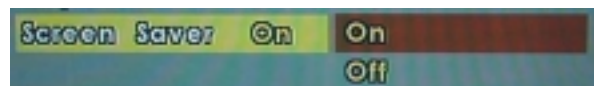
→ Selects by pressing [▲▼] buttons and press ENTER.

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.

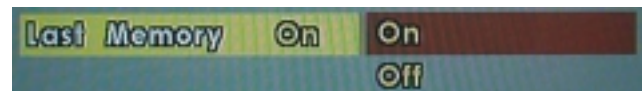


- Press [▲▼] buttons to select **Screen Saver**.

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

⑥ Last Memory

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

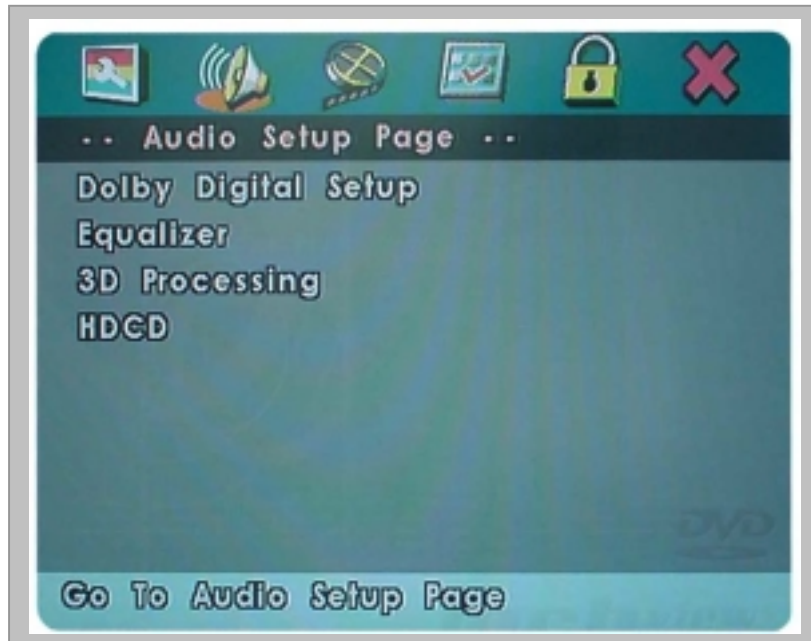


- Press [▲▼] buttons to select **Last Memory**.

→ 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.



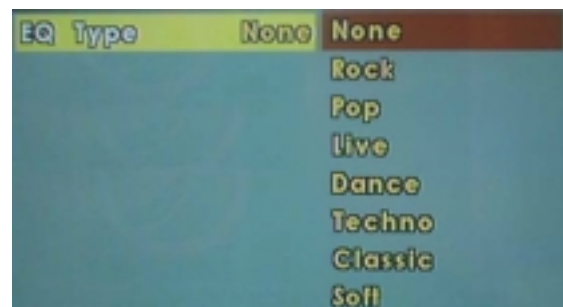
→ Selects by pressing [▲▼] buttons and press ENTER.

② Equalizer

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

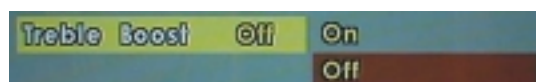
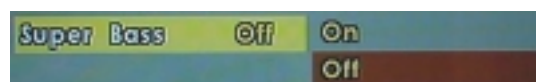
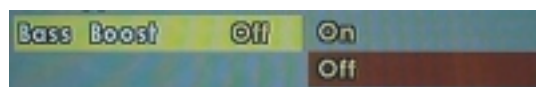
- EQ Type : Choose the desired preset equalizer

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



- Bass Boost, Super Bass, Treble Boost :

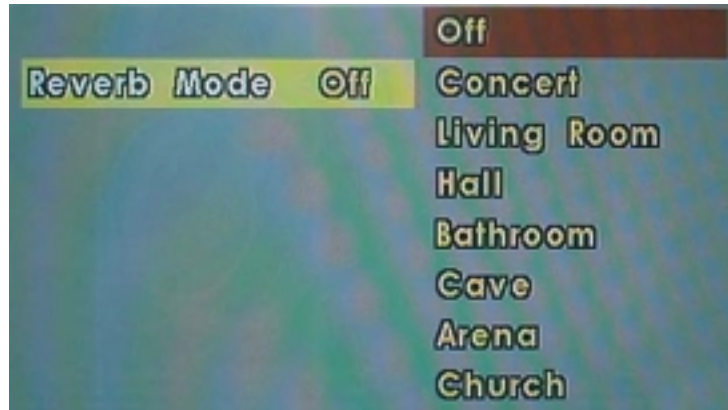
This is enhanced at all levels without distorting other frequency.



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

➤ 3D Processing

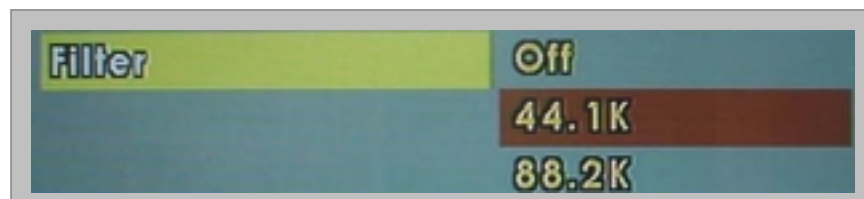
Press SELECT [▲▼] buttons to select **3D Processing** and press ENTER, then Reverb mode will display on the main window.



→ 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

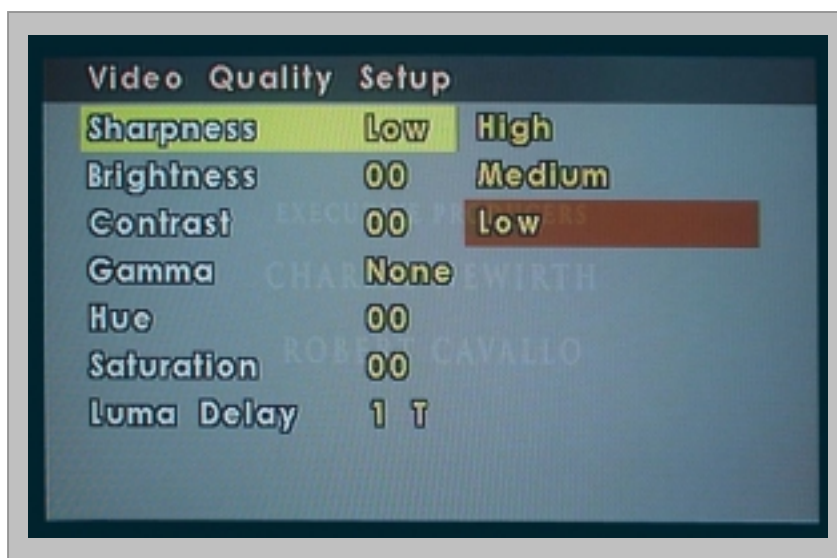
There are 1 sub item in the Video submenu. When you press the **SETUP** button and select "Video setup", the sub item for Video is displayed as shown in the figure below.



① Quality

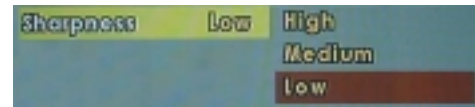
There are 7 sub items in the Video submenu. When you press the **Quality** button and select "Quality", the sub items for Quality are displayed as shown in the figure below.

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



➤ Sharpness

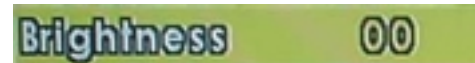
- Press [▲▼] buttons to select **Sharpness** and press ENTER.



→ 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.

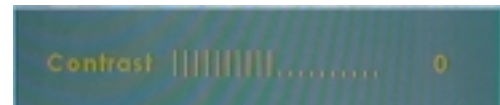


➤ Contrast

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

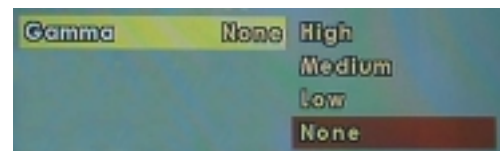


→ Selects by pressing [◀▶] buttons “0 to 100” and press ENTER.



➤ Gamma

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



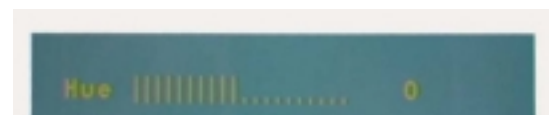
→ Select with [▲▼] buttons “High, Medium, Low, None” then press ENTER.

➤ Hue

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

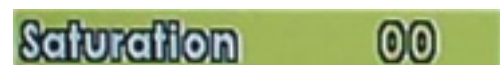


→ Selects by pressing [◀▶] buttons “0 to 100” and press ENTER.



➤ Saturation

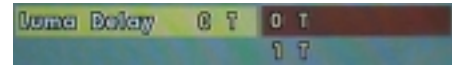
- Press [▲▼] buttons to select **Saturation** and press ENTER.



→ 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.