■ 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
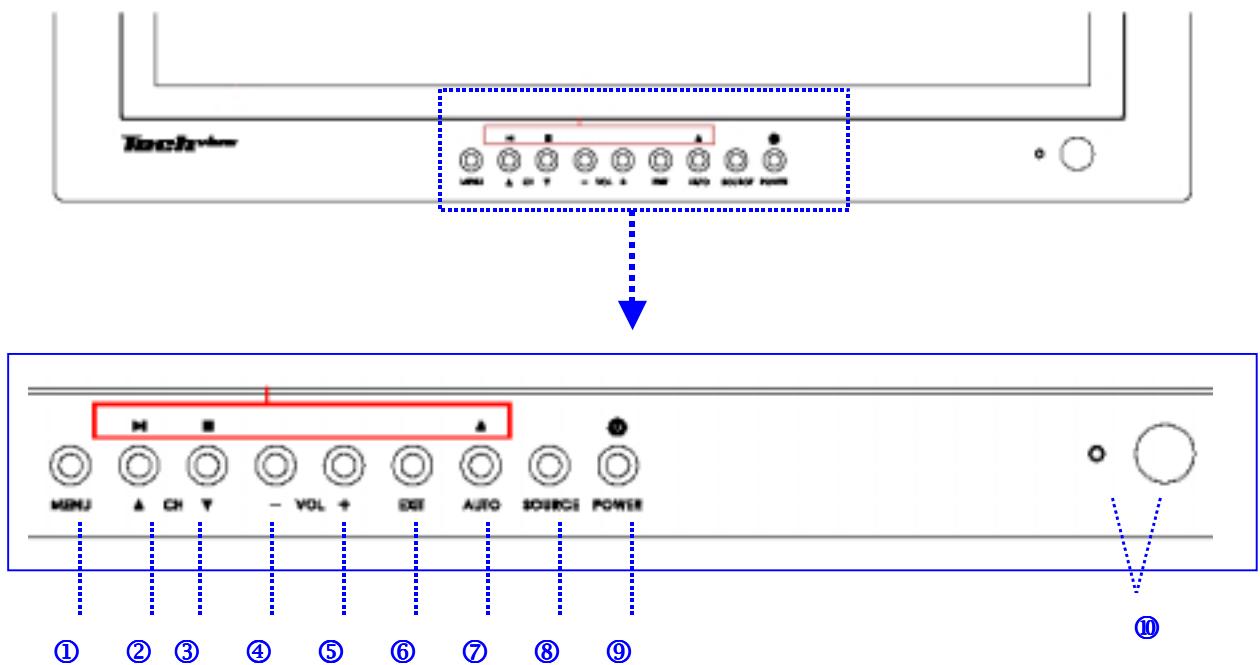
④   ⑤   ⑥   ⑦

Description（Front/OSD）
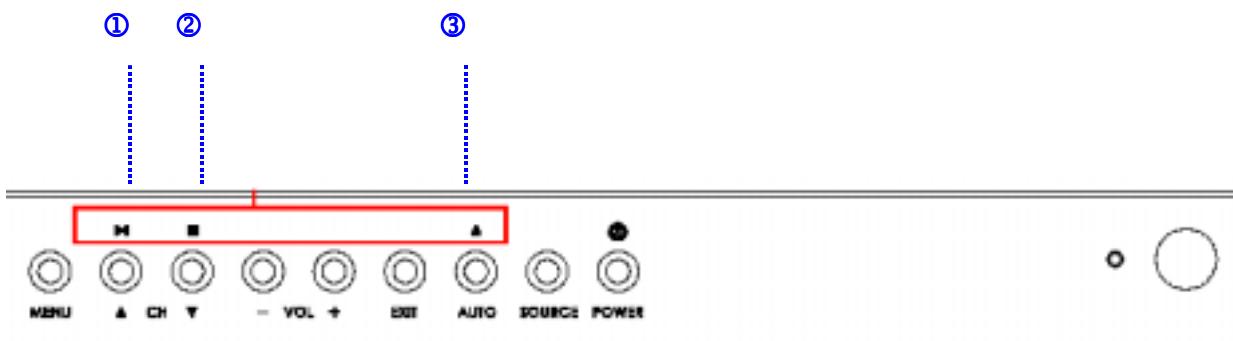
■ **Key Specifications on the TV**

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.
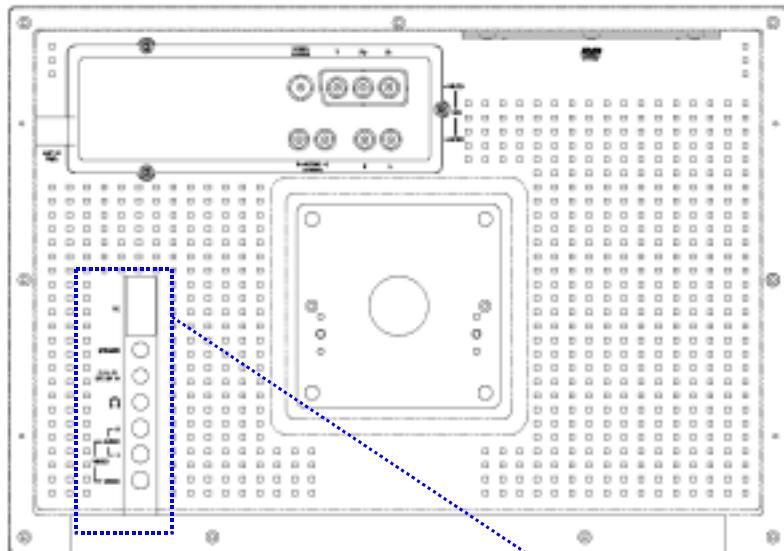
■   **Key Specifications on the DVD**

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
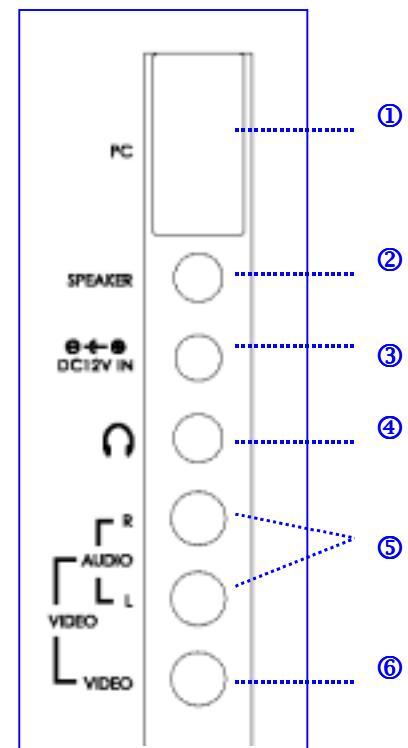
Description (Rear)
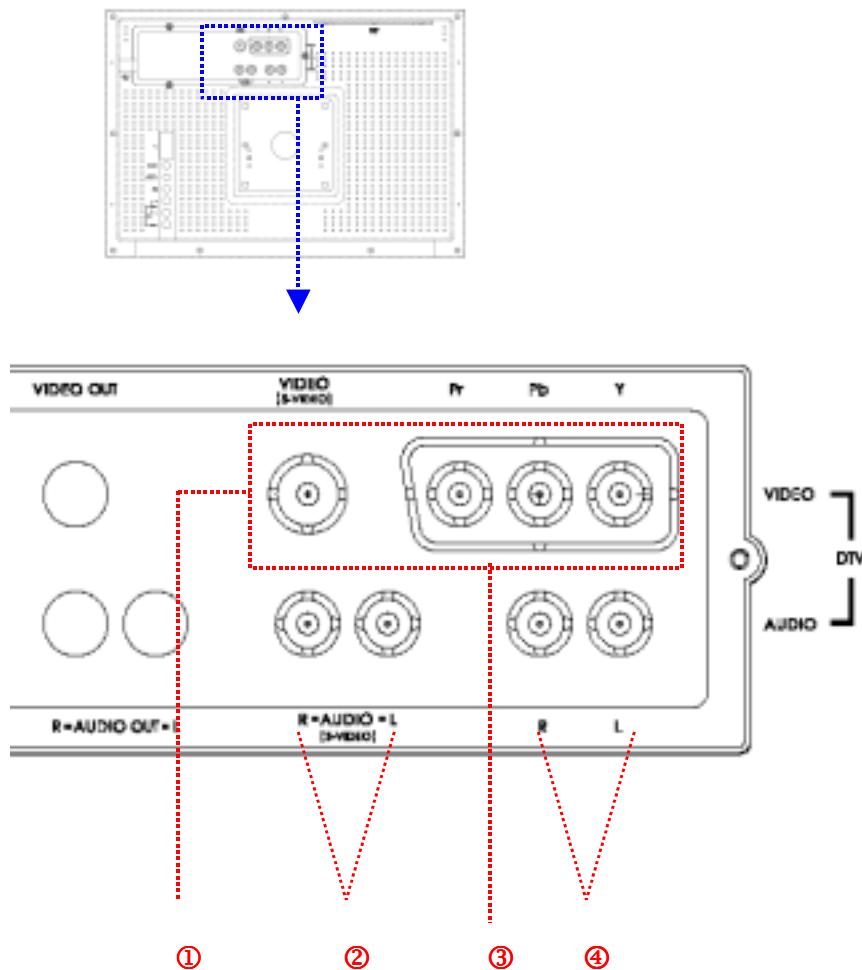
■ I/O Description - 1

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).
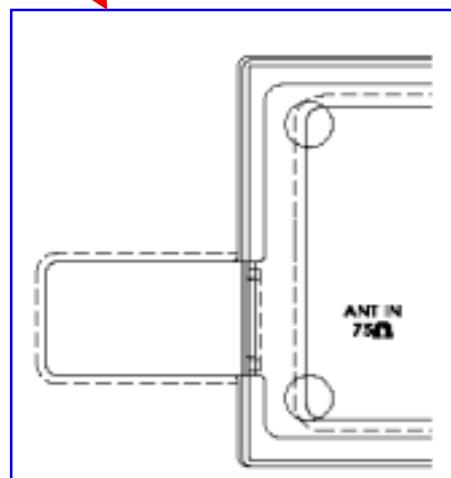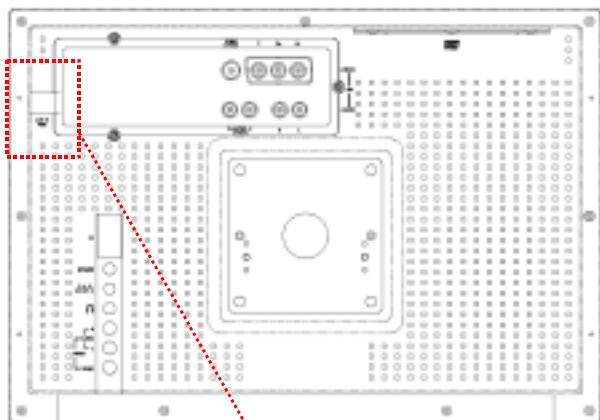
■ **I/O Description - 2**
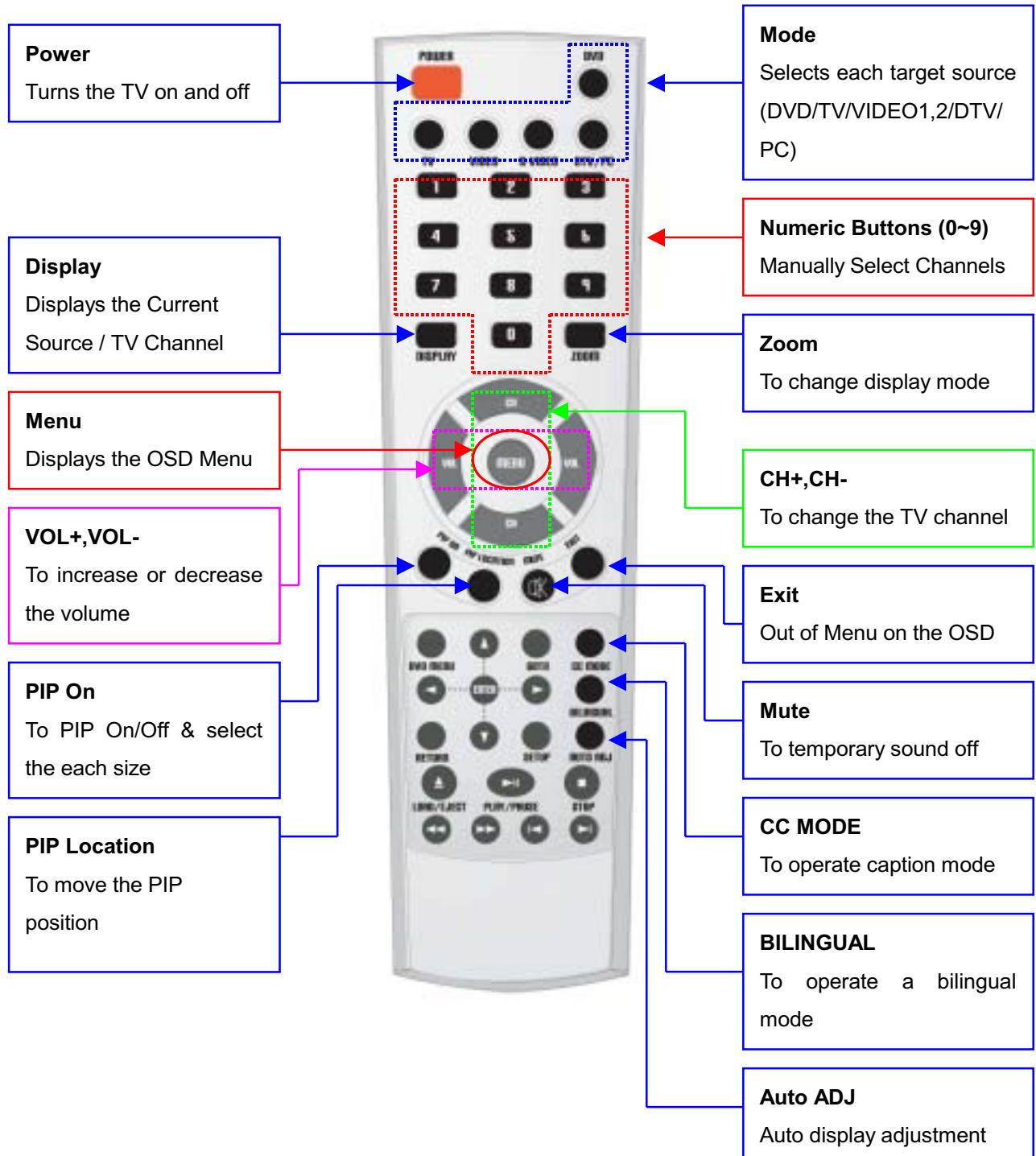
① S-VIDEO : Super Video Input (Mini-Din).

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**

Power

Turns the TV on and off

Display

Displays the Current

Source / TV Channel

Menu

Displays the OSD Menu

VOL+,VOL-

To increase or decrease the volume

PIP On

To PIP On/Off & select the each size

PIP Location

To move the PIP position

Mode

Selects each target source (DVD/TV/VIDEO1,2/DTV/ PC)

Numeric Buttons (0~9)

Manually Select Channels

Zoom

To change display mode

CH+,CH-

To change the TV channel

Exit

Out of Menu on the OSD

Mute

To temporary sound off

CC MODE

To operate caption mode

BILINGUAL

To operate a bilingual mode

Auto ADJ

Auto display adjustment

■   **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.
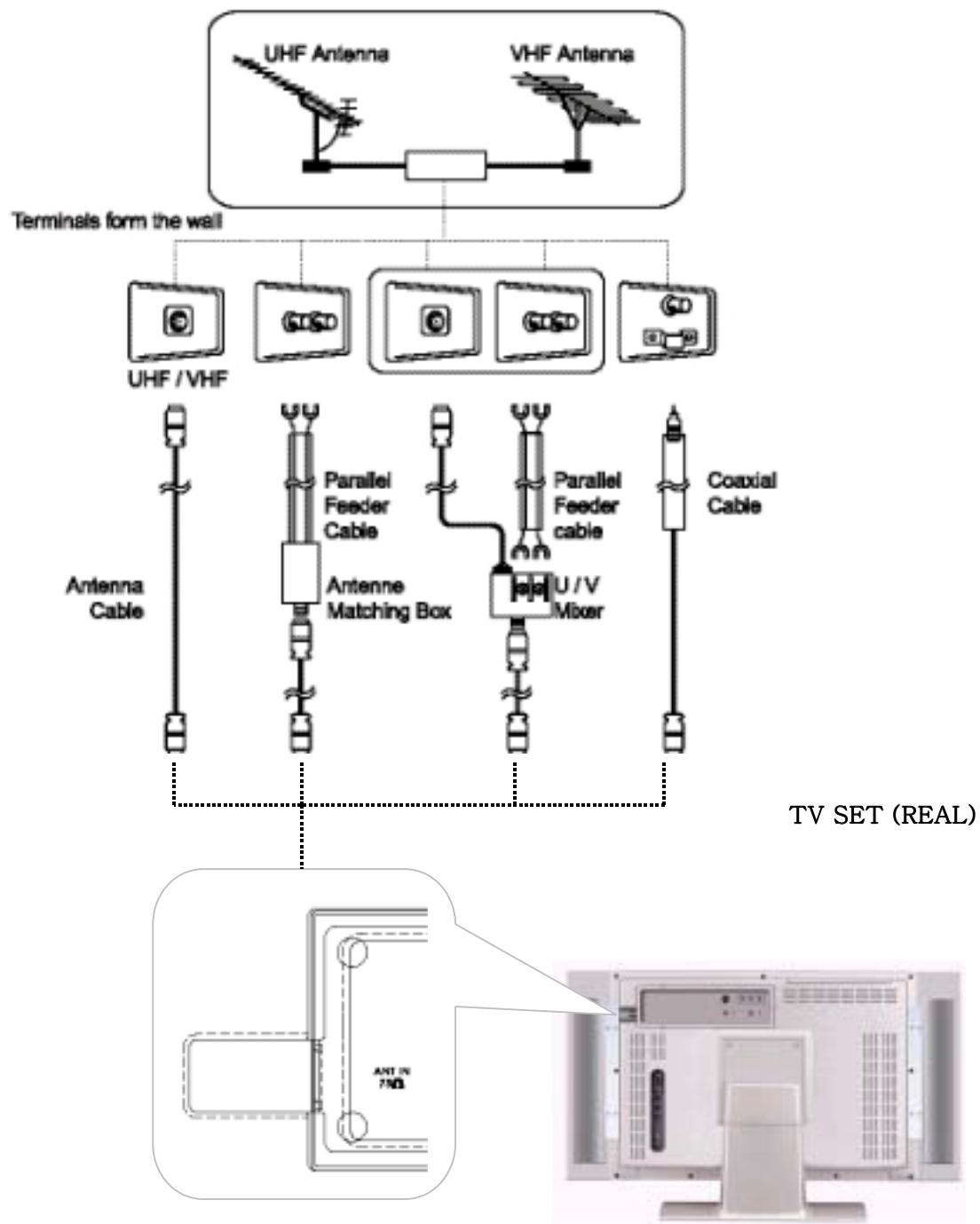
Observe the following precautions:

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.
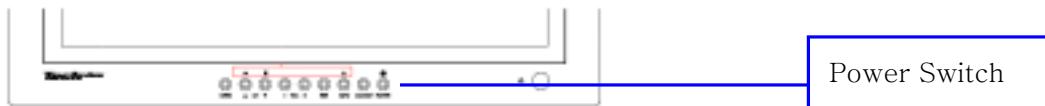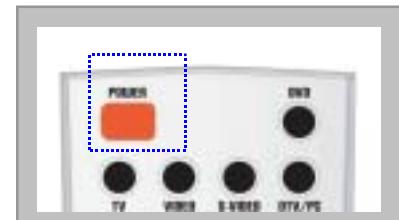
■ TV Setting

◆ Connecting Antenna

* All cables are sold separately except antenna cable.

TV SET (REAL)

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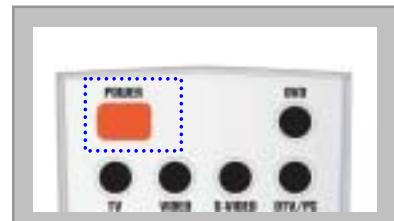
- Press numeric buttons or channel buttons to select channel you wish to watch.

Adjust volume

- Use「Volume」buttons to adjust the volume.

◆ Channel Tuning
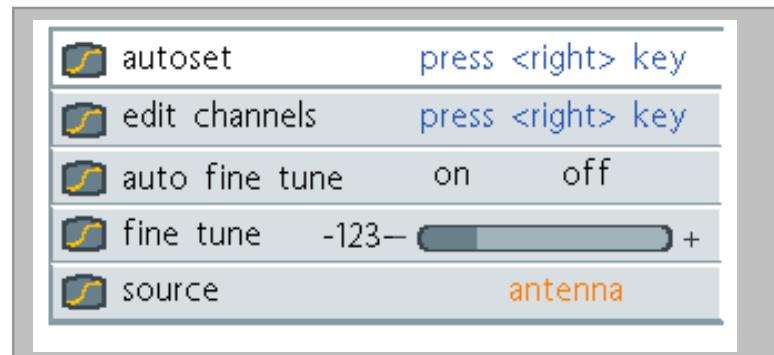
① Turn the Power on and press the TV Source button

   to display the TV channel.

② Press the "Main Menu" button to display the **MENU** screen.

MENU Button
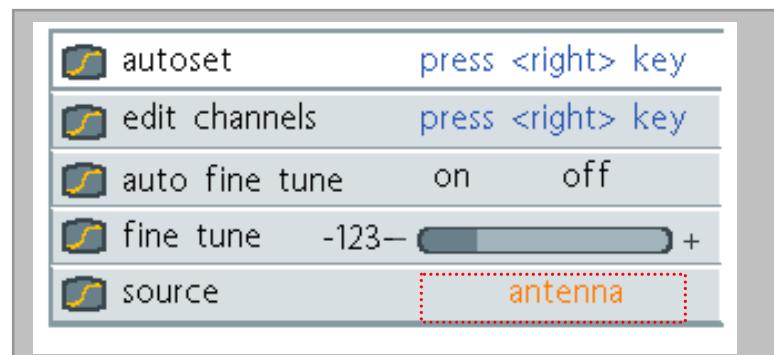
③ Select "TV" option with 「▼,▲」 buttons, then press 「►」 button.
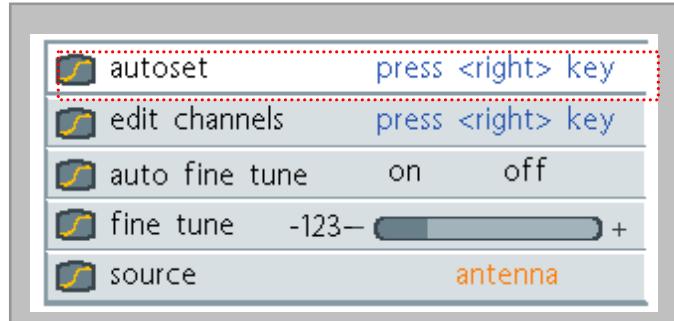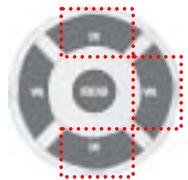
④ If submenu appears, select "Source" option with 「◄,►」 buttons, then press 「Menu」

   to select "Antenna / Cable SD / Cable HRC / Cable IRC".

* Key Flow

[Antenna→Cable STD

→Cable HRC→

Cable IRC (Loop)]
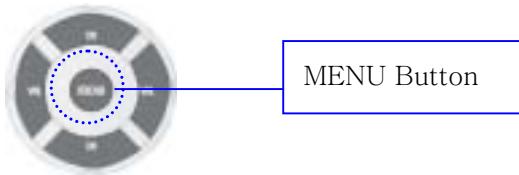
⑤ Select "Auto-set" option with 「▼,▲」 button, then press 「►」 button to start auto-
searching.

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.

MENU Button

* 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.
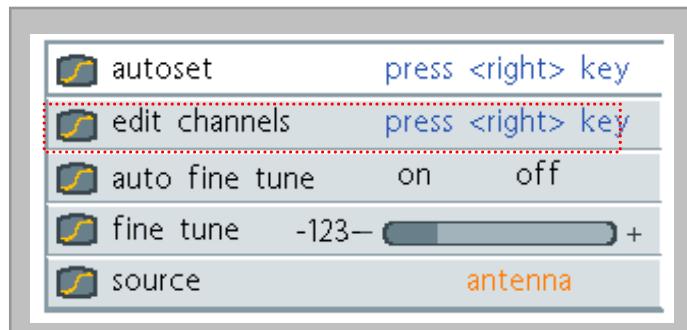
◆ **Channel Editing**

① Edit channels :

➢ Press the "Main Menu" button to display the **MENU** screen.

➢ Select "TV" with 「▼,▲」 buttons then press [▶] button.

MENU Button

➢ Select "Edit channels" option with 「▼,▲」 buttons.
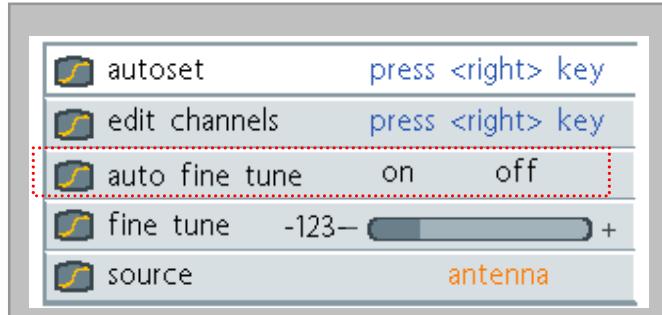

➢ Select channel "save" or "skip"
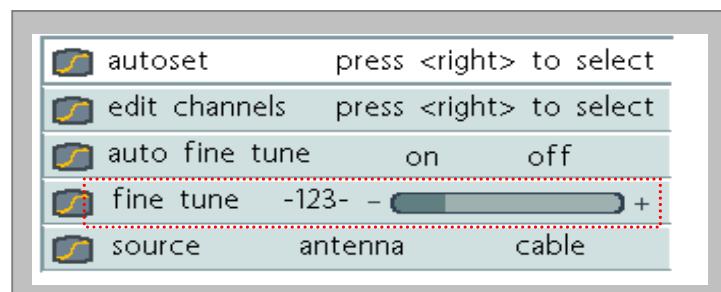
② Auto Fine Tune :

> To use 「▼,▲」 buttons, select "Auto fine tune" then you can turn on/off the mode.
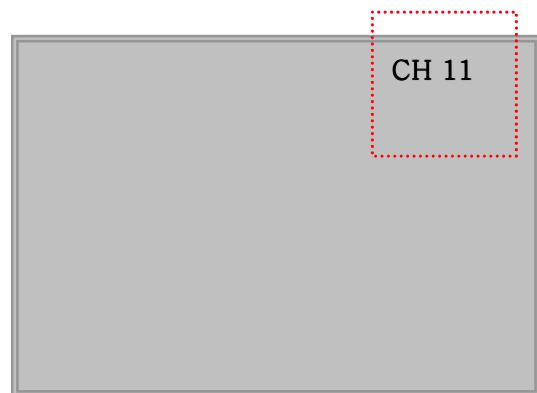
> If you select "Off" the Auto Fine Tune, select "Fine Tune" with 「▼,▲」 buttons, then you can tune the channel with [◀ , ▶] buttons.

**Display Button

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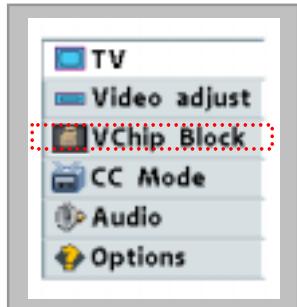

< TV Screen>

◆ **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.
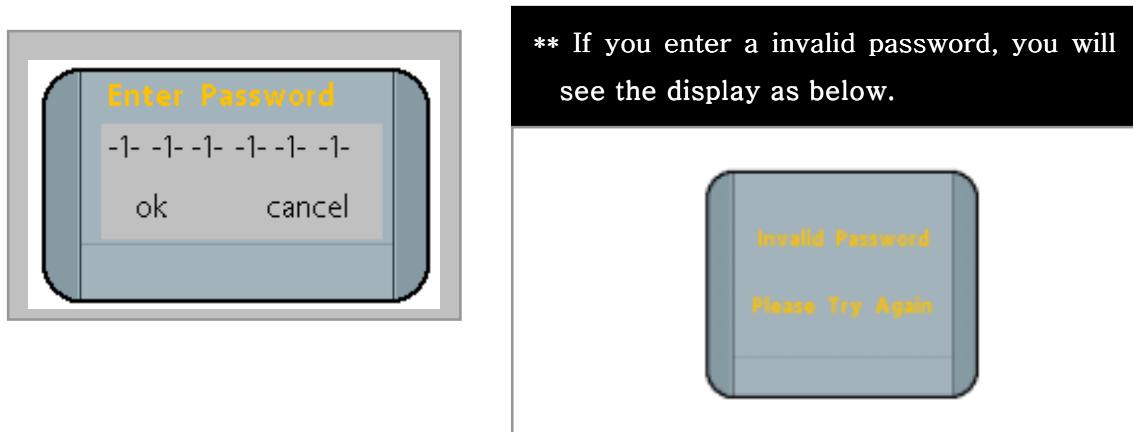
① **Blocking**

This option will setup the rating of the TV programs.
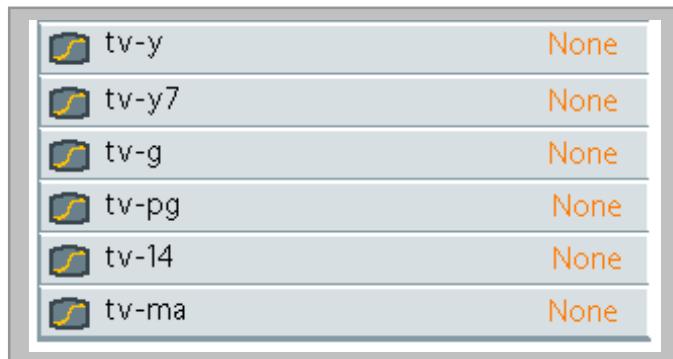
1. Select ▱ "TV Blocking" with 「▼,▲」 buttons, then press 「▶」 button.

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
			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
	V-chip block	TV blocking	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
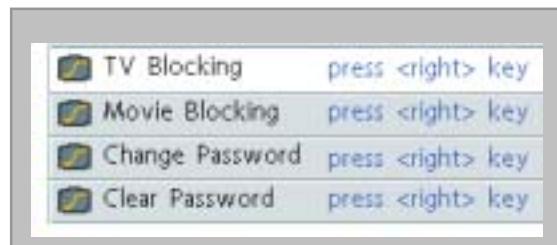
** TV PARENTAL GUIDELINES

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
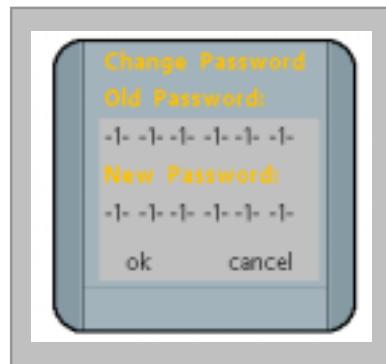
② **Change Password**

*This will change your V-Chip password.

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

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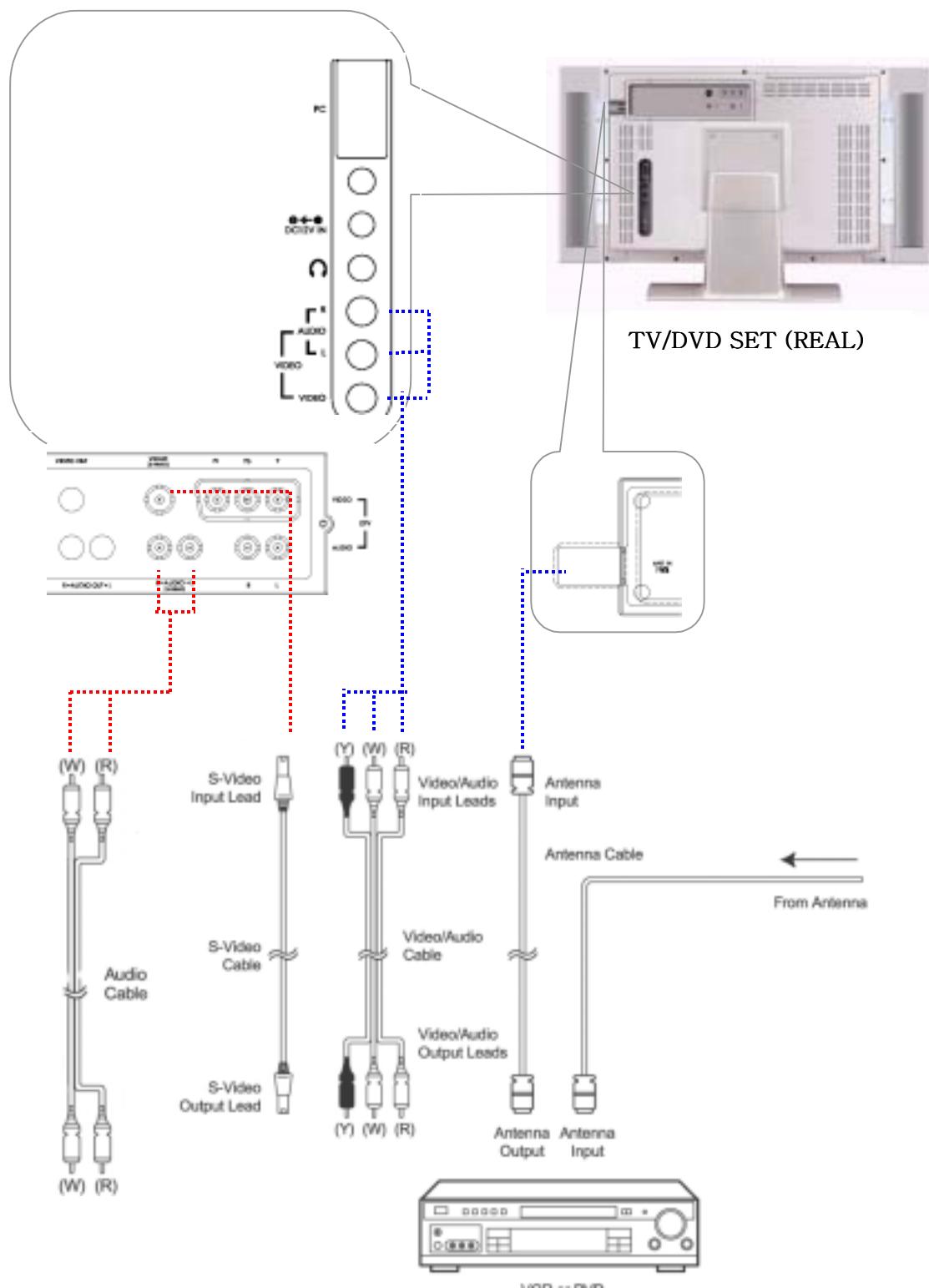

3.If the password successfully changed, you will see the display as below.

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

TV/DVD SET (REAL)

(W) (R)

S-Video
Input Lead

(Y) (W) (R)

Video/Audio
Input Leads

Antenna
Input

Antenna Cable

From Antenna

Audio
Cable

S-Video
Cable

Video/Audio
Cable

Video/Audio
Output Leads

S-Video
Output Lead

(Y) (W) (R)

Antenna
Output

Antenna
Input

(W) (R)
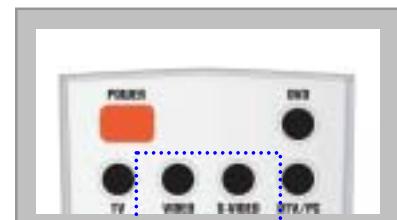
① Install the VCR as shown on the picture above.

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)]
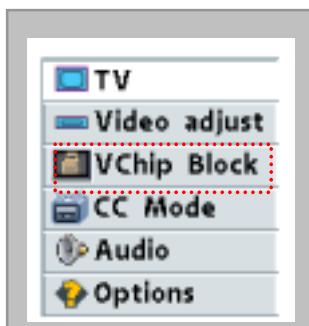
③ Now you can enjoy your VCR.

◆ **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.
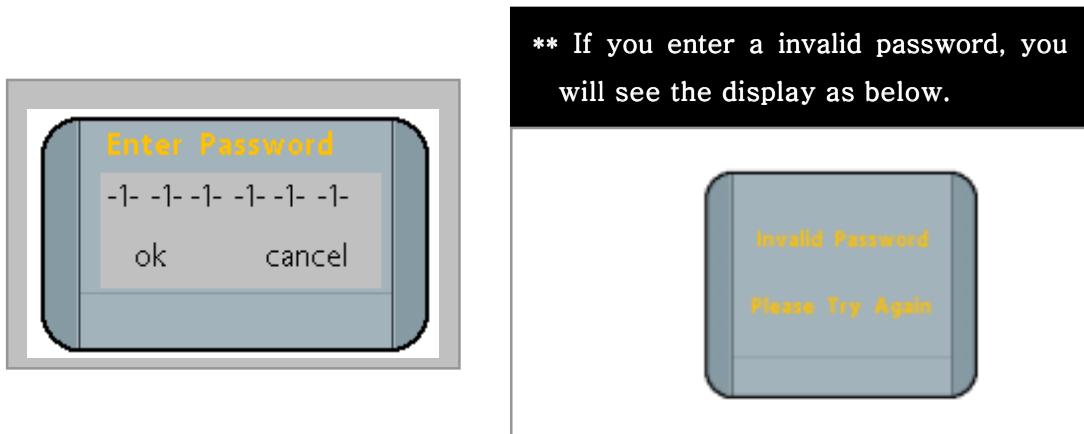
① **Movie Blocking**

This will setup the rate for Movie programs.

1. Select [image] "Movie Blocking" with 「▼,▲」 buttons, then press 「▶」 button.

2. Input your password with 「▼,▲」 buttons and move your selection with [◀ , ▶] buttons

when the password window appears.

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 "MPAA Ratings" with 「▼,▲」 buttons, then select proper rate with [◀ , ▶] buttons.

** Note : Movie Block Description
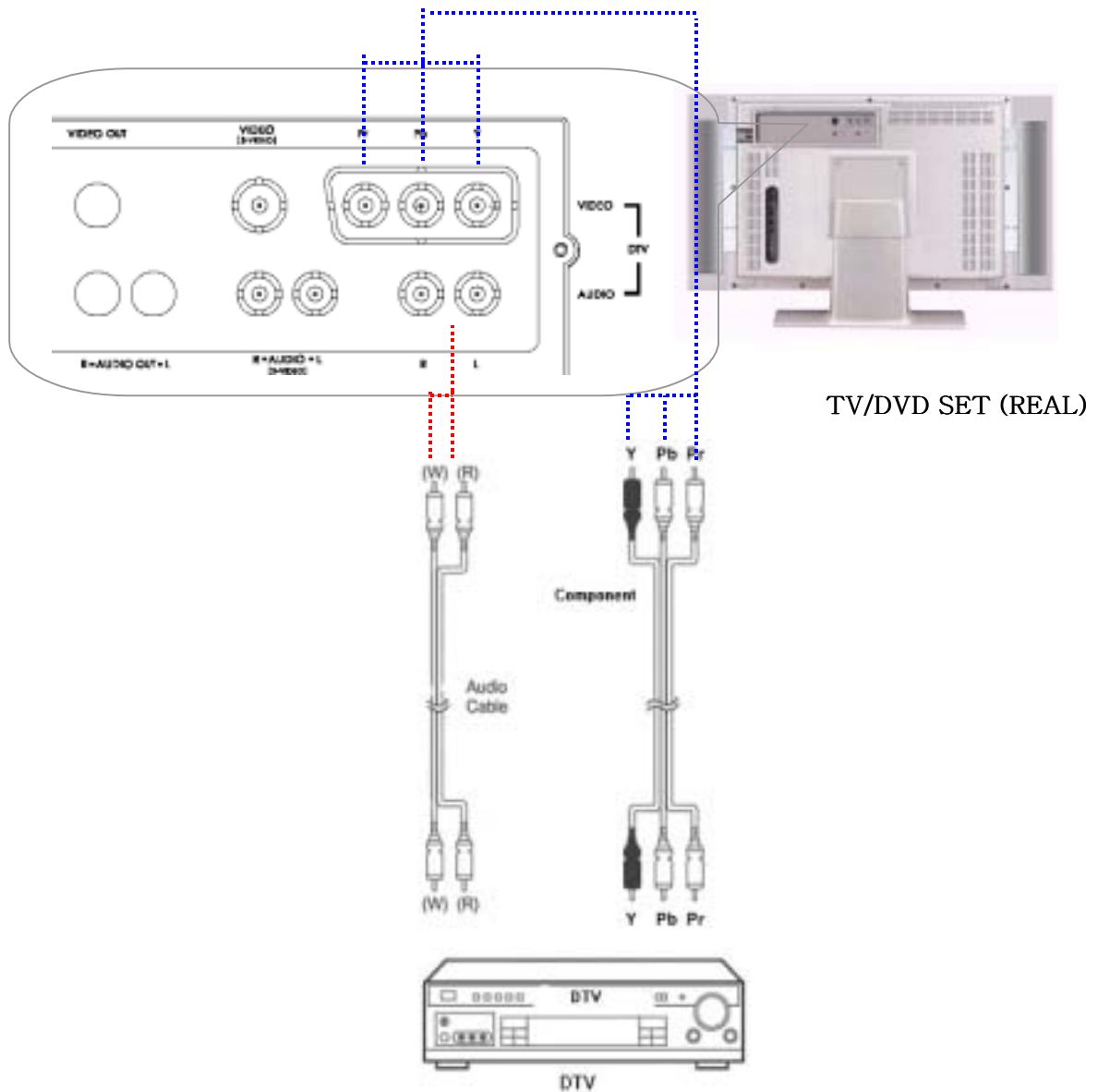
Icon	Main Menu	Sub-Menu1	Sub-Menu2	Description
	V-Chip Block	Movie blocking	MPAA-G	Setup for blocking MPAA-G rated movies
			MPAA-PG	Setup for blocking MPAA-PG rated movies
			MPAA-PG-13	Setup for blocking MPAA-PG-13 rated movies
			MPAA-R	Setup for blocking MPAA-R rated movies
			MPAA-NC-17	Setup for blocking MPAA-NC-17 rated movies
			MPAA-X	Setup for blocking MPAA-X rated movies
			MPAA-NR	Setup for blocking MPAA-NR rated movies
		Change password	Change blocking password	Change your block password

■ MPAA RATING

| RATING		
AGE BASE	G	GENERAL AUDIENCES. All ages admitted.
	PG	PARENTAL GUIDANCE SUGGESTED. Some material may not be suitable for children
	PG-13	PARENTAL STRONGLY CAUTIONED. Some material may be inappropriate for children under 13.
	R	RESTRICTED. Under 17 requires accompanying parent or adult guardian.
	NR	NOT RATED
	NC-17	NO ONE 17 AND UNDER ADMITTED.
	X	X is an older rating that is unified with NC-17 but may be encoded in that data of older movies.
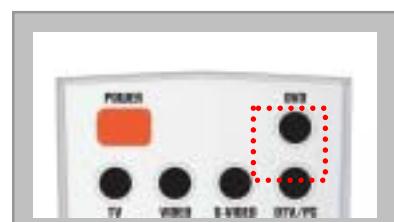
■ DTV Setting

◆ Connecting DTV2

TV/DVD SET (REAL)

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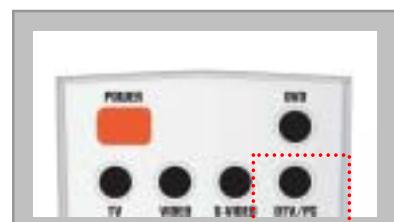
** Note : PIP option is available for only DTV/PC video Source

①　PIP Operation

● Press the "DTV/PC" button on the remote unit or OSD Menu
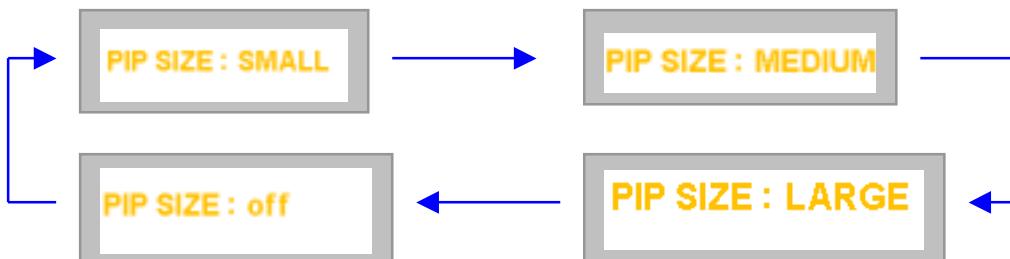
Instruction

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
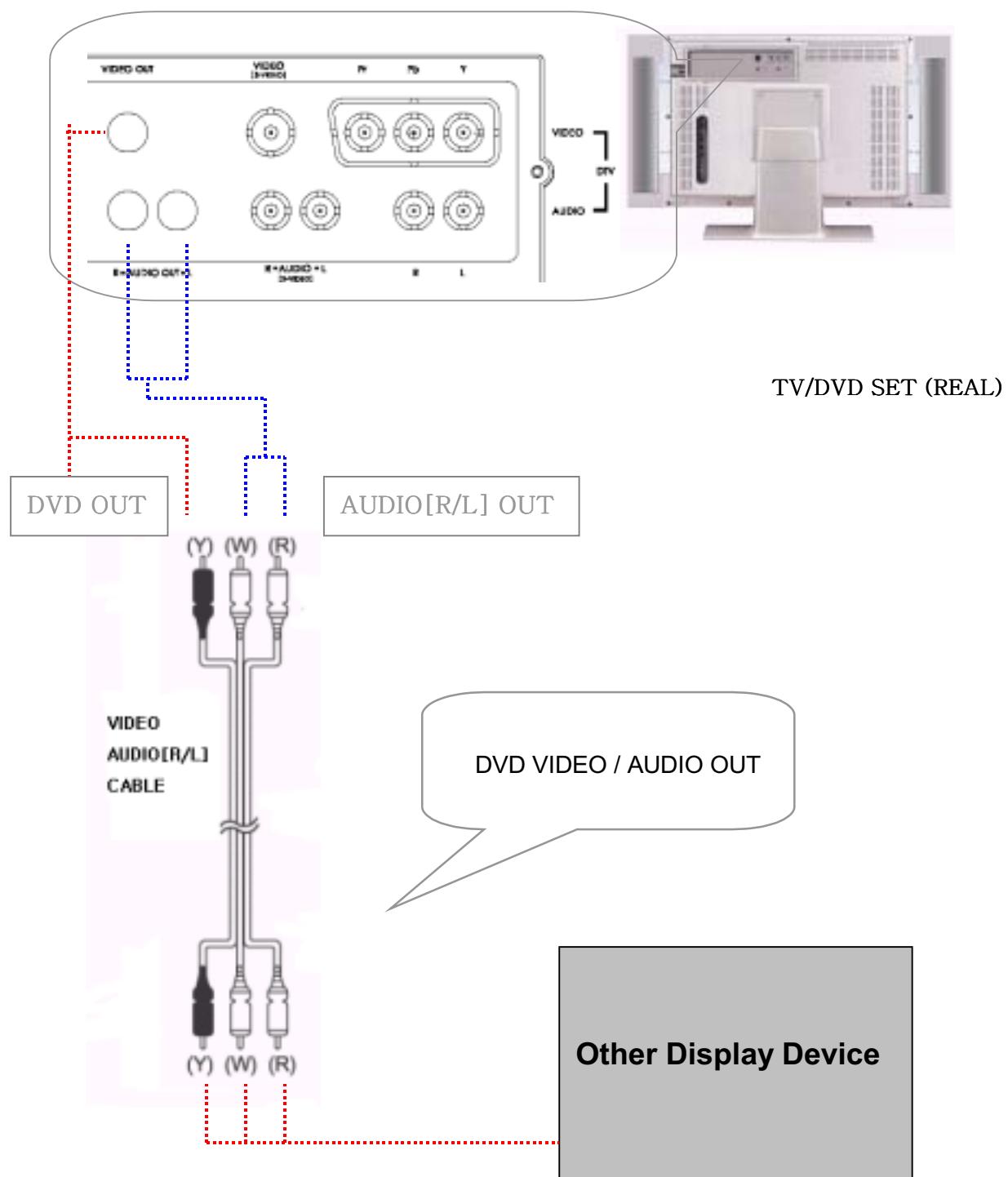
### ③ **PIP Source**
  ● Press the "PIP Source" on the OSD Menu.

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

TV/DVD SET (REAL)

DVD OUT

AUDIO[R/L] OUT

(Y) (W) (R)

VIDEO
AUDIO[R/L]
CABLE

DVD VIDEO / AUDIO OUT

(Y) (W) (R)

Other Display Device

■ Video Adjustment

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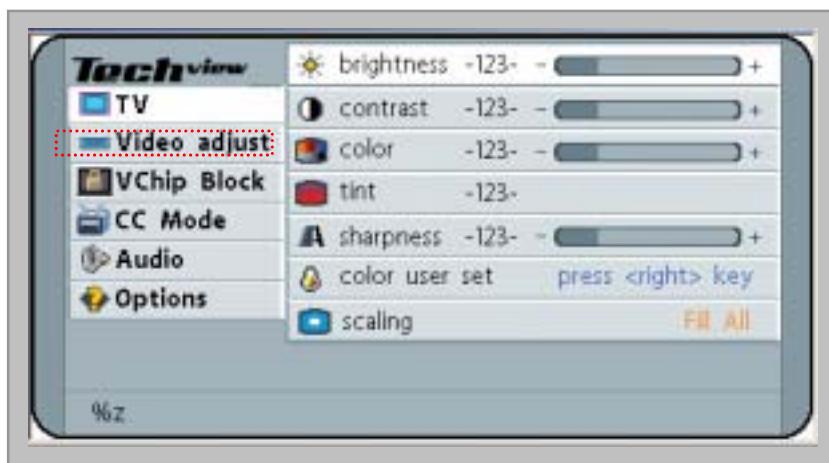
MENU Button

Press 「►」 button to display sub-menu as shown as the picture below.
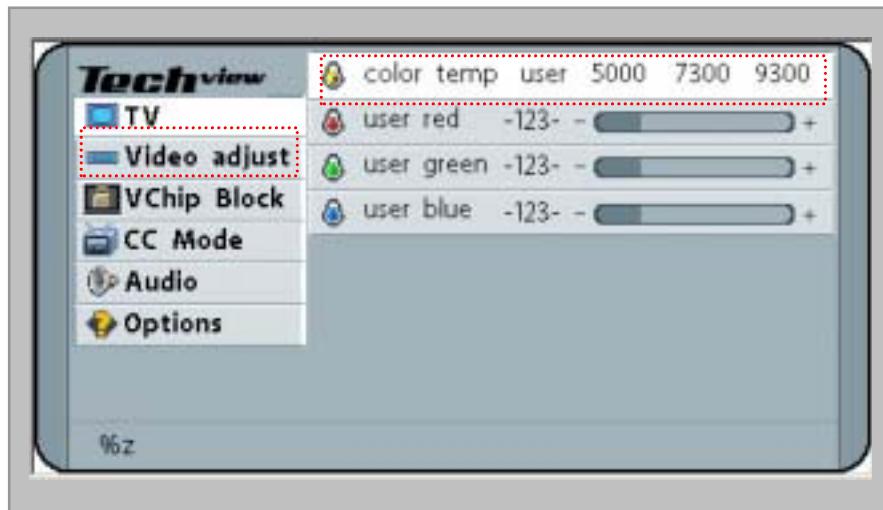
> *You can adjust value of "brightness" ,"contrast" ,"Color" ,"Tint" ,"Sharpness" ,"Color setting" and "Scaling" from this menu.

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

- Color User Set
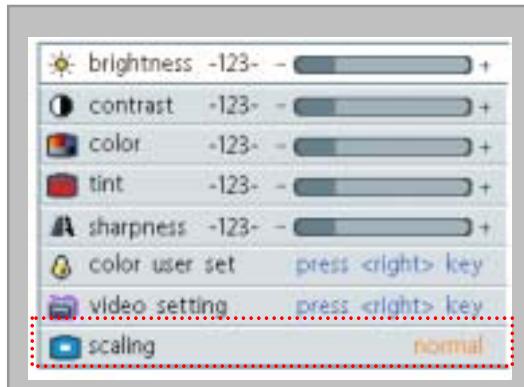
> ➢ This option let you set up the color temperature. You can simply choose either "5000", "7300", "9300" or "user" mode to set the color temperature as user's need.

> ➢ On "user" mode, press 「▼,▲」 buttons, you can select from red, green or blue and adjust the value with [◄ , ►] buttons.
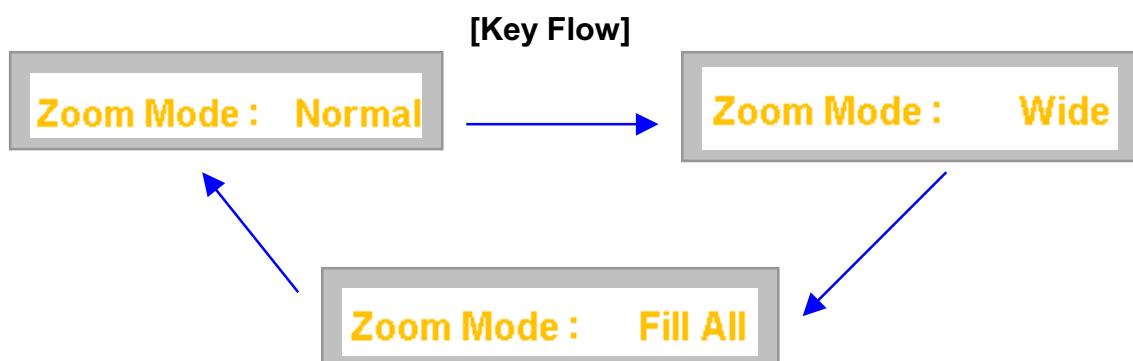
- Zoom Key

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.

[Key Flow]

① 16 : 9 Video Source

<Normal / Wide>   **<Fill All>**

② 4 : 3 Video Source

**< Fill All / Normal>**   **<Wide>**
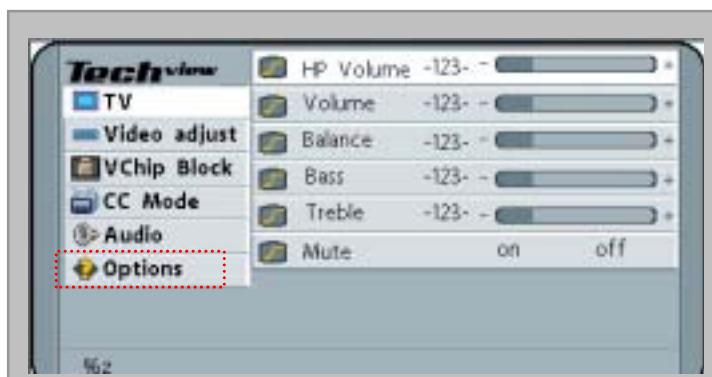
■ Audio

* Adjust the sound options.
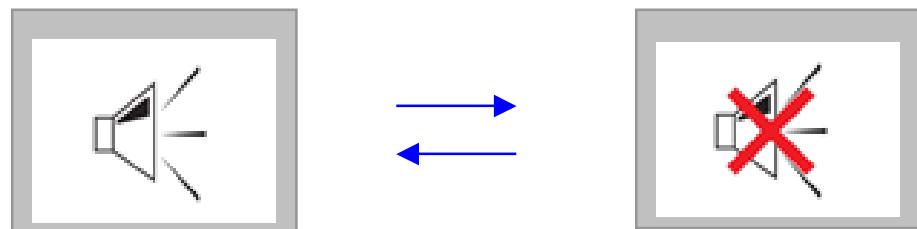
- HP (Headphone), Volume, Bass, Treble and Mute

1. Press the 「Menu」 key.

2. Press 「▼,▲」 buttons to select [icon] "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.
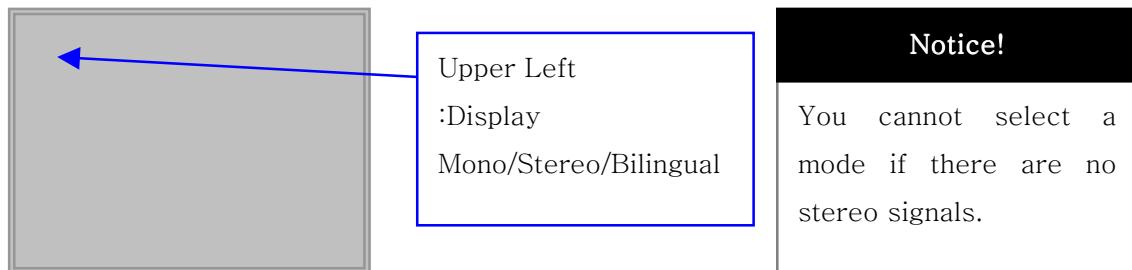
** Mute Key : You can mute the volume with "Mute" key.

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

** Bilingual/Mono/Stereo Mode

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

Upper Left
:Display
Mono/Stereo/Bilingual

| Notice! |
|---|
| You cannot select a mode if there are no stereo signals. |
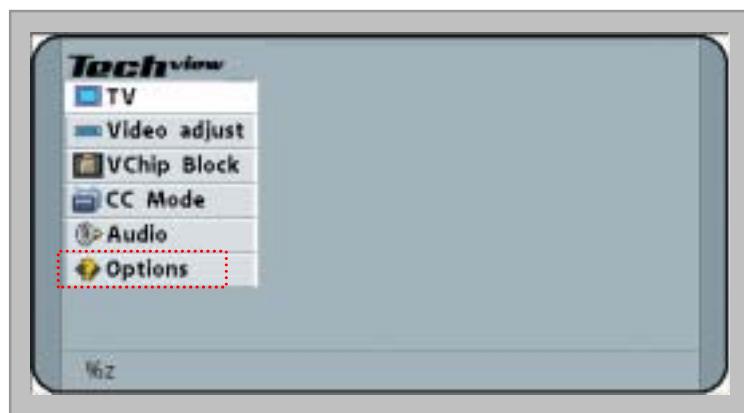
■ Option

Adjust the OSD position & delay time.
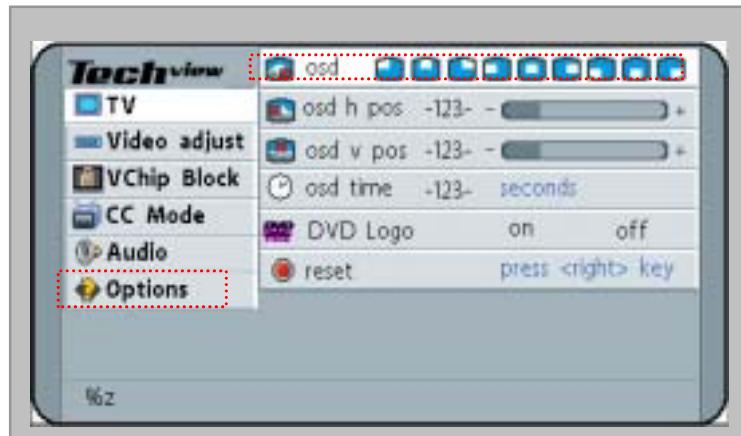
Press the 「Menu」 button.

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

## - OSD

* Adjust the OSD window position.

1. Move to [icon] "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 [icon] "Options" then press 「▶」 button.

3. Move to [icon] "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.

- HDReady Logo

* Display or Hide the HDReady Logo

- Reset

* Resume all settings to factory setup.
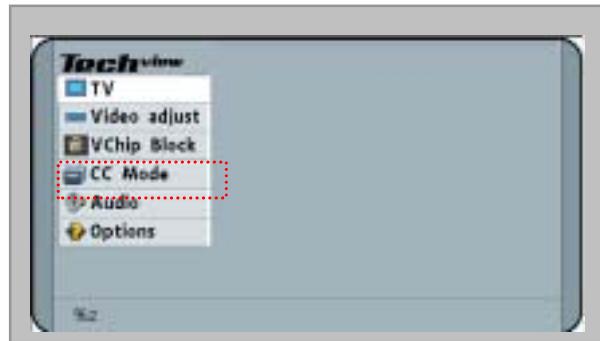
1. Move to ⊙ "Factory Reset" by using 「▼,▲」 buttons.

2. Reset the settings by press 「►」 button.

■ CC Mode (Closed Caption Mode)

* Modify the Closed Caption mode.
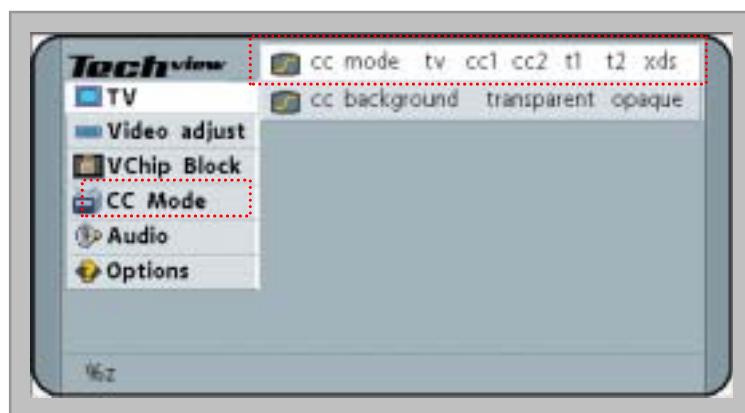
Press the 「Menu」 button.

Press 「▼,▲」 buttons to select 📺 "Closed caption" then press 「▶」 button.
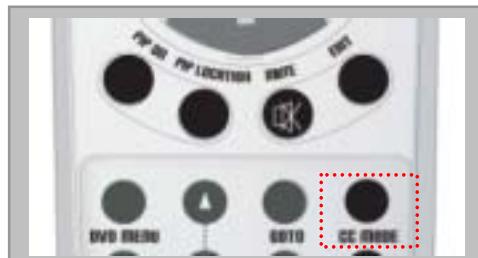
- CC Mode

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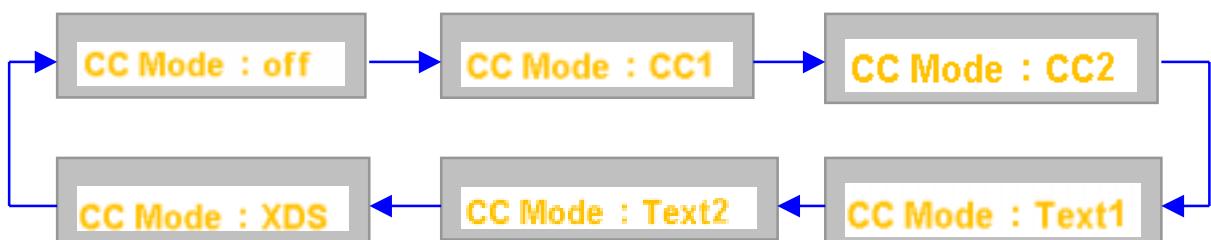
4. Also, you can select with "CC Mode" button on your remote controller.

: 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.