

HITACHI

Inspire the Next

LCD Rear Projection Color TV Instruction Manual

C50-LD7000

C60-LD7000

ULTRAVISION

HD READY
1080i



- Thank you for your purchasing **HITACHI** LCD Rear Projection Color TV products. It will take you to the high quality audio-video world.
- Before operating the TV, please read this instruction manual carefully and keep the manual for future reference.

CONTENTS

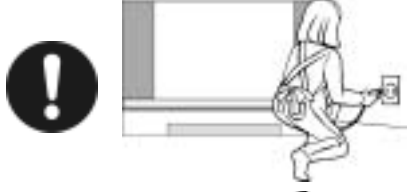
SAFETY TIPS	3
BEFORE OPERATION	7
Location	7
The best spot for viewing	7
To connect the power cord and the antenna	8
To prepare the remote control unit	8
FUNCTIONAL PARTS	9
Control panel	9
Installation of photo MC and adapter	10
Rear panel	10
The remote control unit	11
GETTING STARTED	12
Power on/off	12
Instructions for the on-screen display menu	13
Selecting the on-screen display language	14
Easy preset	15
ON-SCREEN DISPLAY MENU	16
Picture menu	16
Audio menu	18
Timer menu	19
Function menu	20
Setup menu	22
MULTI PICTURE FUNCTION	32
Split mode	32
P in P mode	33
TV SCAN FUNCTION	35
3-picture mode	35
12-picture mode	36
TELETEXT	37
OTHER FUNCTIONS	38
CONNECTION WITH OTHER EQUIPMENT	44
ADDENDA	47
A guide to simple problem solving	47
Accessories	47
Photo memory card and adapter	48
LAMP REPLACEMENT	50
SPECIFICATIONS	54

SAFETY TIPS

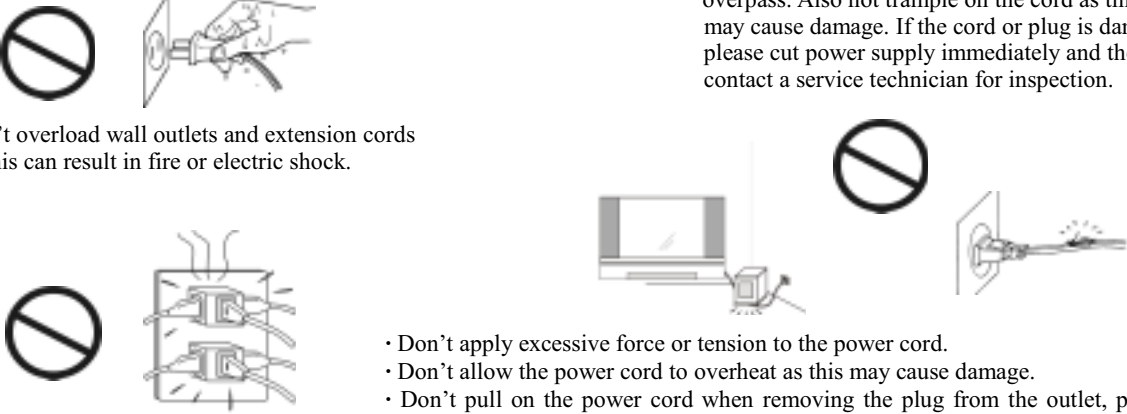
In order to use this TV safely, you must pay attention to the notice shown below.

 Forbidden.
  Caution.
  Required.

- Refer to the Power Supply as indicated on the rating label pasted at the back of the TV set.
- Don't use the TV outside the specified voltage range. It may cause the damage to the TV and a fire or an electric shock.




- Never insert or remove the power plug with wet hands. This may cause electric shock.
- Don't overload wall outlets and extension cords as this can result in fire or electric shock.
- Don't place any objects on the cord or allow it to overpass. Also not trample on the cord as this may cause damage. If the cord or plug is damaged, please cut power supply immediately and then contact a service technician for inspection.
- Don't apply excessive force or tension to the power cord.
- Don't allow the power cord to overheat as this may cause damage.
- Don't pull on the power cord when removing the plug from the outlet, please hold the plug firmly when removing it.

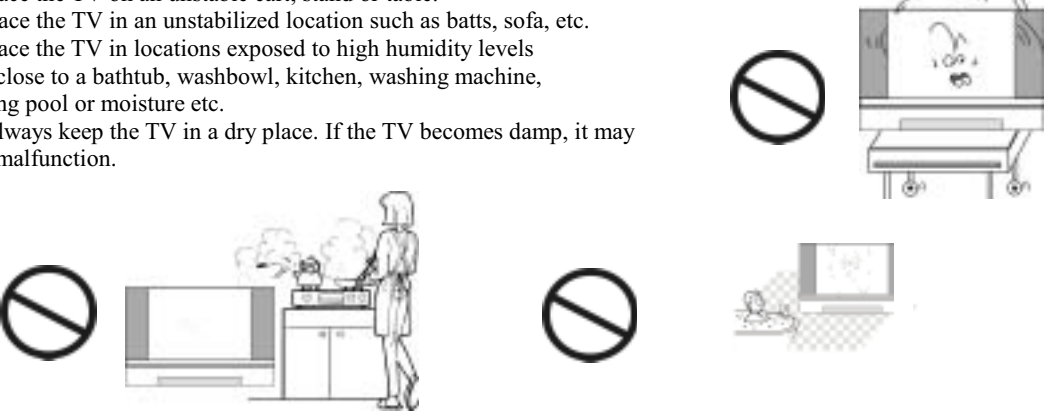


- Don't place the TV into a closet or bookshelf where the ventilation is poor.
- Don't cover the TV with cloth or other objects.
- Don't place the TV upwards, or on its side. Allow enough space between the TV and walls.

Ensure that there is a sufficient ventilation and that vents are unobstructed to prevent the buildup of heat inside the TV, or else, it may result in a malfunction.



- Don't place the TV on an unstable cart, stand or table.
- Don't place the TV in an unstabilized location such as batts, sofa, etc.
- Don't place the TV in locations exposed to high humidity levels such as close to a bathtub, washbowl, kitchen, washing machine, swimming pool or moisture etc. Please always keep the TV in a dry place. If the TV becomes damp, it may cause a malfunction.



SAFETY TIPS

- Don't place the TV near heat source (such as a radiator, stove etc.) or in locations subject to direct sunlight. Overheating will cause failure of the TV.



- Avoid dusty or rainy places, since accumulated dust inside the chassis may cause failure of the set when high humidity persists.

- Don't place containers filled with liquids or other objects eg. house plant, vase, tea sets etc. In case liquids are spilled inside the TV, please remove the plug from the wall outlet immediately and contact a service technician.

- In addition, if rubber or vinyl products remain in contact with the cabinet or screen of the TV for a long time, the TV surface may get damaged or a stain may result.



- Don't insert any objects or pour water inside the TV from ventilation holes or other slots. Be especially careful that children don't insert objects in the TV, such as coins, nails, clips, toys etc. If these objects drop inside the TV, turn off the TV and remove the power plug from the outlet immediately and contact a service technician.



- Don't climb or sit on top of the TV.
- Don't stand or hang on top of the TV. It may result in the TV falling over, damaging, the screen broken etc. or causing an injury.



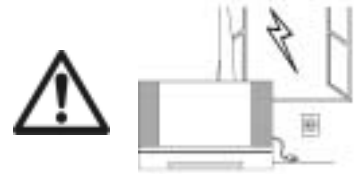
- Avoid any kind of impact to your television. Be especially careful not to damage the screen face.

- Don't attempt to touch the screen. Marks may result.



SAFETY TIPS

- In order not to damage the parts in the set, please unplug and remove the outdoor antenna connection during thunder and lightning.



- When going out to travel or your TV is set to remain unused for a period of time, please unplug the power cord from the wall outlet. Accumulated dust on the plug or the humidity may cause a fire or electric shock due to the reduced insulation on it. So when the TV won't be used for a long period of time, be sure to remove the power plug from the wall outlet.



- Don't disassemble, repair or modify the TV by yourself. To prevent the shock, disassembling the cabinet or touching the parts inside the TV by other than professional person is prohibited.



Precautions when moving

- When moving the TV, be sure to remove the plug from the wall outlet and disconnect the aerial cable, audio/video cable etc.
- Two people are at least required to move the TV due to the heavy TV.
- Don't pass by any barrier forcibly, as it may mark floor surfaces if moved improperly.
- To prevent the TV being bumped or the screen damaged, be careful when moving.



Cleaning

- Before cleaning the TV, remove the power plug from the wall outlet.
- Don't use solvents such as volatile substances, thinner to clean the TV. These solvents may distort the cabinet and screen or damage its finish.
- Don't use vacuum cleaner, polish, and sand paper to clean the cabinet or screen of the TV.
- If accumulated dust cover the cabinet or screen, please use a neat, soft, dry cloth to clean it.
- Don't directly use liquid or an aerosol sprays to clean the cabinet of the TV.
- Don't use the detergent directly on the TV even if it is dirty.
 - Please use a clean soft cloth moistened with water to clean it.
 - Then wipe with a dry soft cloth.



SAFETY TIPS

Moisture condensation

If the room temperature suddenly rises or falls (or if the TV is moved from a cool place to a warm place), condensation may occur on the screen or lenses resulting in picture fading or color distortion. In such case, please wait a while and the condensation will evaporate, meanwhile the sound and picture will be restored to normal.



Precautions on stationary images

The TV is designed to watch the wide picture. If you watch TV programs, please select such proportional active images, or by setting the aspect mode to display such proportional active images on your screen. Avoid displaying stationary images on your screen for an extended period of time, stationary patterns generated by computer displays, video games or others etc. can cause “remain picture” to the LCD Rear PTV. Use the Screen Saver function (see the page30) to avoid “remain picture”.

Maintenance



- If the set doesn't work properly, and you are unable to restore normal operation by following the “A GUIDE TO SIMPLE PROBLEM SOLVING” section in your INSTRUCTION MANUAL, please unplug the set immediately and consult service personnel.
- If the TV is dropped or the cabinet is damaged, remove the power plug immediately and contact a service technician for inspection.
- If smoke or strange smell comes from the TV, please remove the power plug from the outlet immediately and contact a service technician for inspection.



Important precautions



- A small number of missing, discolored, or lit all the time or pixels is characteristic of the LCD technology due to manufacturing process for such technology irrespective of manufacturer. If your set has defective pixels, it should not be considered defective.
- Since the LCD Rear Projection Color TV incorporates a high pressure mercury lamp to display an image, it may take about one minute for the picture to become stable, after the power has been tuned on. After extended use, the picture may darken, the color may look unusual, or the lamp “goes out”(burns out). You may hear a “pop” sound when the lamp “goes out”. These are common characteristics of the lamp, and should not be considered defective.
- The LCD Rear Projection Color TV incorporates an advanced cooling fan system to prevent from overheating. If you hear the cooling fan, it should not be considered defective.
- The LCD Rear Projection Color TV cabinet is constructed with all plastic. Make sure to place it on a flat surface. An uneven surface might warp the cabinet and reduce the picture quality.

BEFORE OPERATION

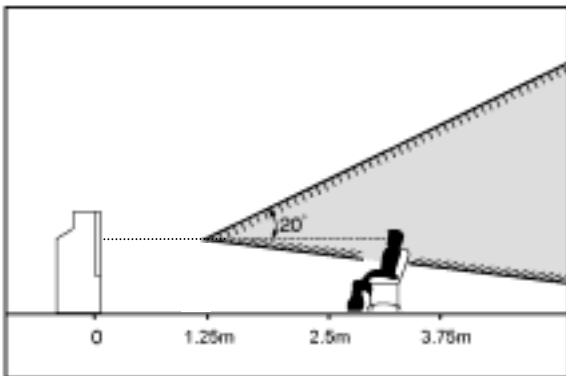
Location

Select an area where sunlight or bright indoor illumination will not fall directly on the screen. Also be sure that the location selected allows a free flow of air to and from the perforated back cover of the set. Don't place the TV where temperature is excessively high, for example in direct sunlight or near a heating appliance, etc.

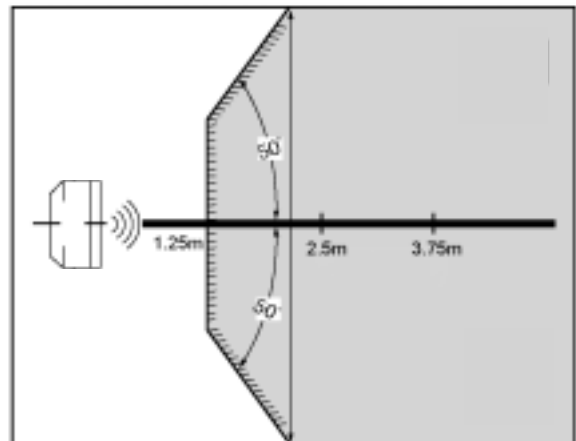
The best spot for viewing

The major benefit of the Rear Projection TV is its large screen. To use full of this character, please test various locations in the room to find the best spot for viewing. The following gives some suggestions.

The best picture and audio performance are obtained directly in front of the TV and about 2.5 to 4.5 metres from the screen. Picture brightness decreases as the viewer moves to left or right.



Best vertical viewing angle



Best horizontal viewing angle

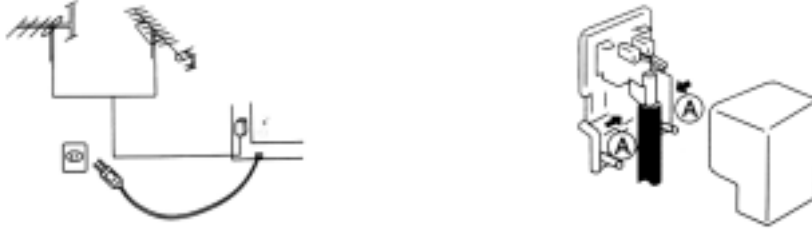
Note

This is not an integrated digital TV. To watch digital broadcast programs (if available), you have to purchase a Digital Set-Top Box that will receive and decode digital broadcast signals and input to the TV via the COMPONENT input terminals.

BEFORE OPERATION

To connect the power cord and the antenna

Please read the rating label pasted at the back of the TV set carefully, and then insert the plug into the power outlet conformity to the rating label. Better reception requires that an outdoor aerial or CATV system must be used. Meanwhile, please note that a good antenna adaptor is necessary. See the following diagram.



Precautions when connecting the antenna

- ① If you use an outdoor antenna instead of CATV system, be sure the antenna shouldn't be located in the vicinity of overhead power lines or other electrical circuit.
- ② If you use an outdoor antenna, be sure the antenna system is grounded properly.
- ③ Please use a coaxial cable that is free from interference. Avoid using a parallel feeder wire as interference may often occur, causing reception to be unstable and stripe noise to appear on the screen. For safety, install an external aerial conformity to AS 1417.1(in Australia only).
- ④ Clamp section A using pliers when installing the coaxial cable. If other types of adaptors are used, be sure that the core and shielding are good.
- ⑤ Avoid using indoor aerial as this may be affected by interference.
- ⑥ Keep the power cord as far away from the antenna wire as possible.

To prepare the remote control unit

Insert the batteries into the remote control unit. Under normal use, the life of the batteries is approximately one year.

Open the battery cover of the remote control unit by pushing the notched part of the cover with your fingers.



Insert the batteries, paying special attention to their polarities.



Replace the cover.



Precautions when using the batteries

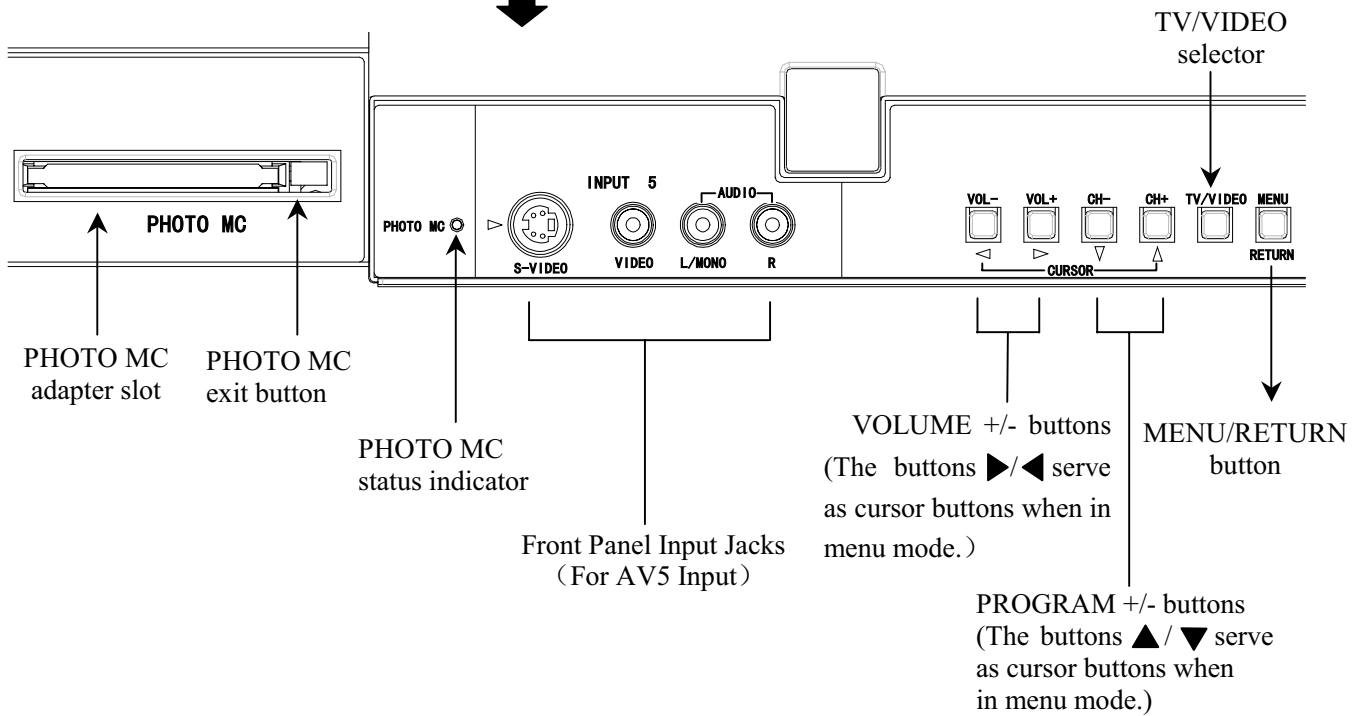
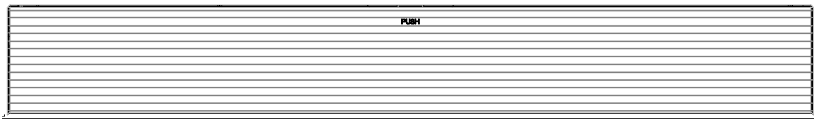
- ① Don't use old and new batteries together.
- ② Don't use different types of batteries (e.g. Manganese and Alkaline batteries) together.
- ③ Remove the batteries from the remote control unit if you don't intend to use the unit for a long time. Otherwise the batteries may leak.
- ④ Don't throw the batteries into a fire.

Precautions when using the remote control unit

- ① Don't drop the remote control unit or subject it to physical shocks.
- ② Keep the remote control unit dry. Wetting it may cause the unit to malfunction.
- ③ Replace the batteries with new ones when operation range of the unit shortened.

FUNCTIONAL PARTS

Control panel



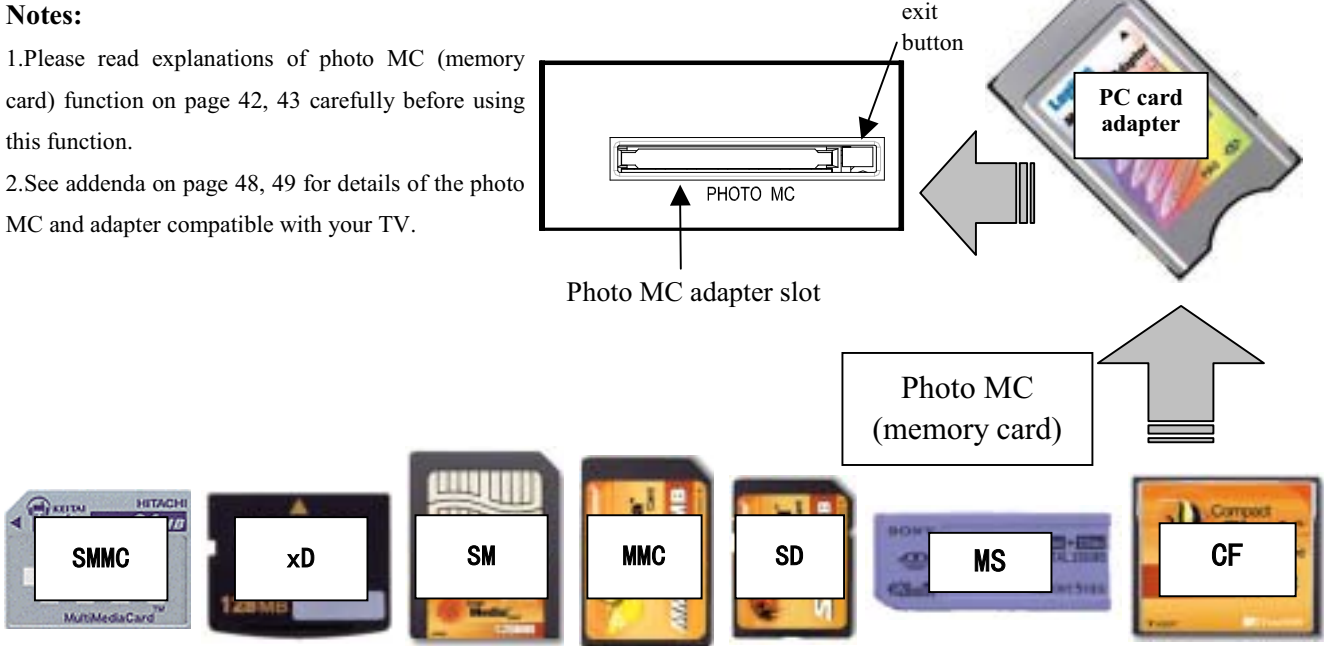
FUNCTIONAL PARTS

Installation of photo MC (memory card) and adapter

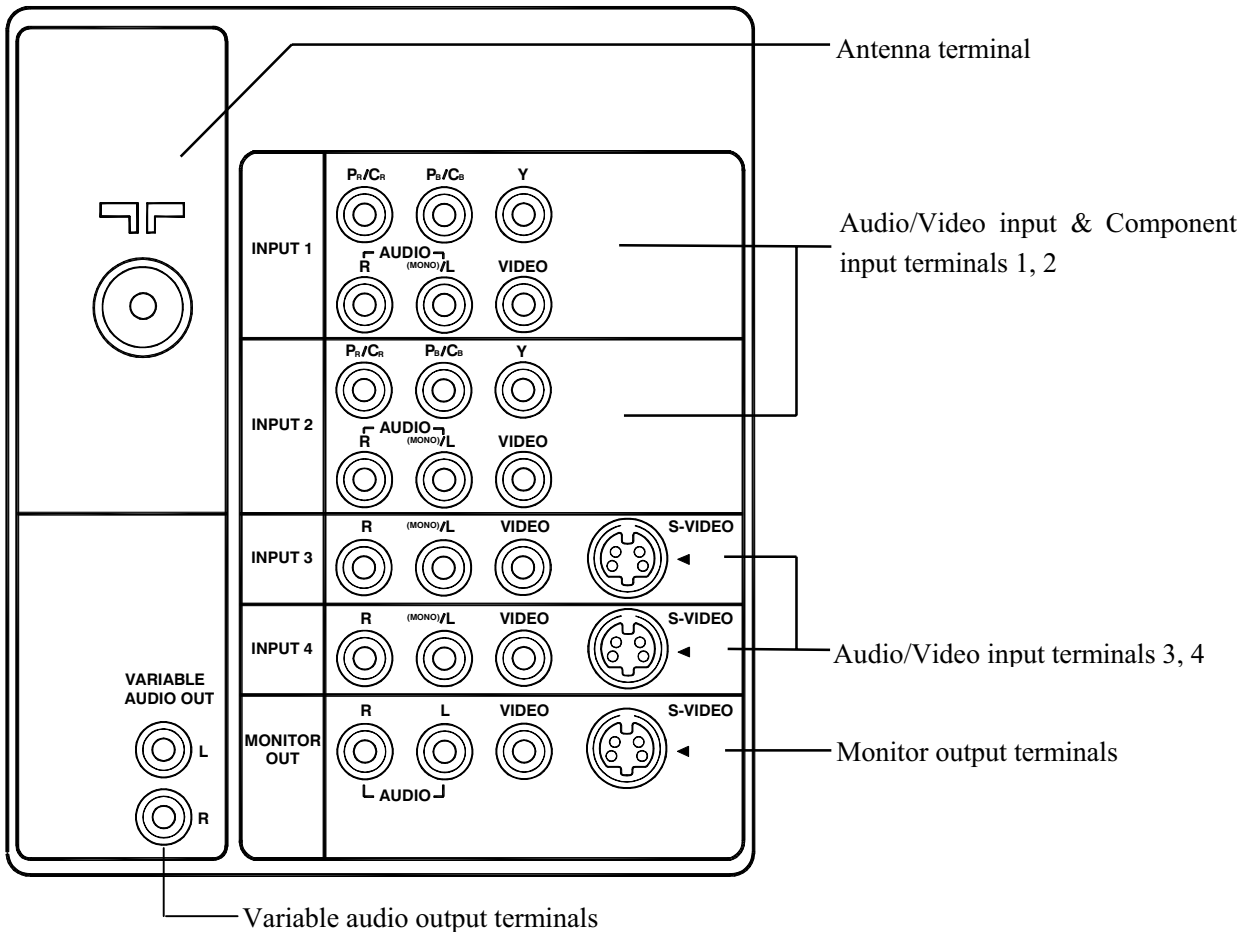
Insert the MC adapter with its right-side facing upward.

Notes:

1. Please read explanations of photo MC (memory card) function on page 42, 43 carefully before using this function.
2. See addenda on page 48, 49 for details of the photo MC and adapter compatible with your TV.



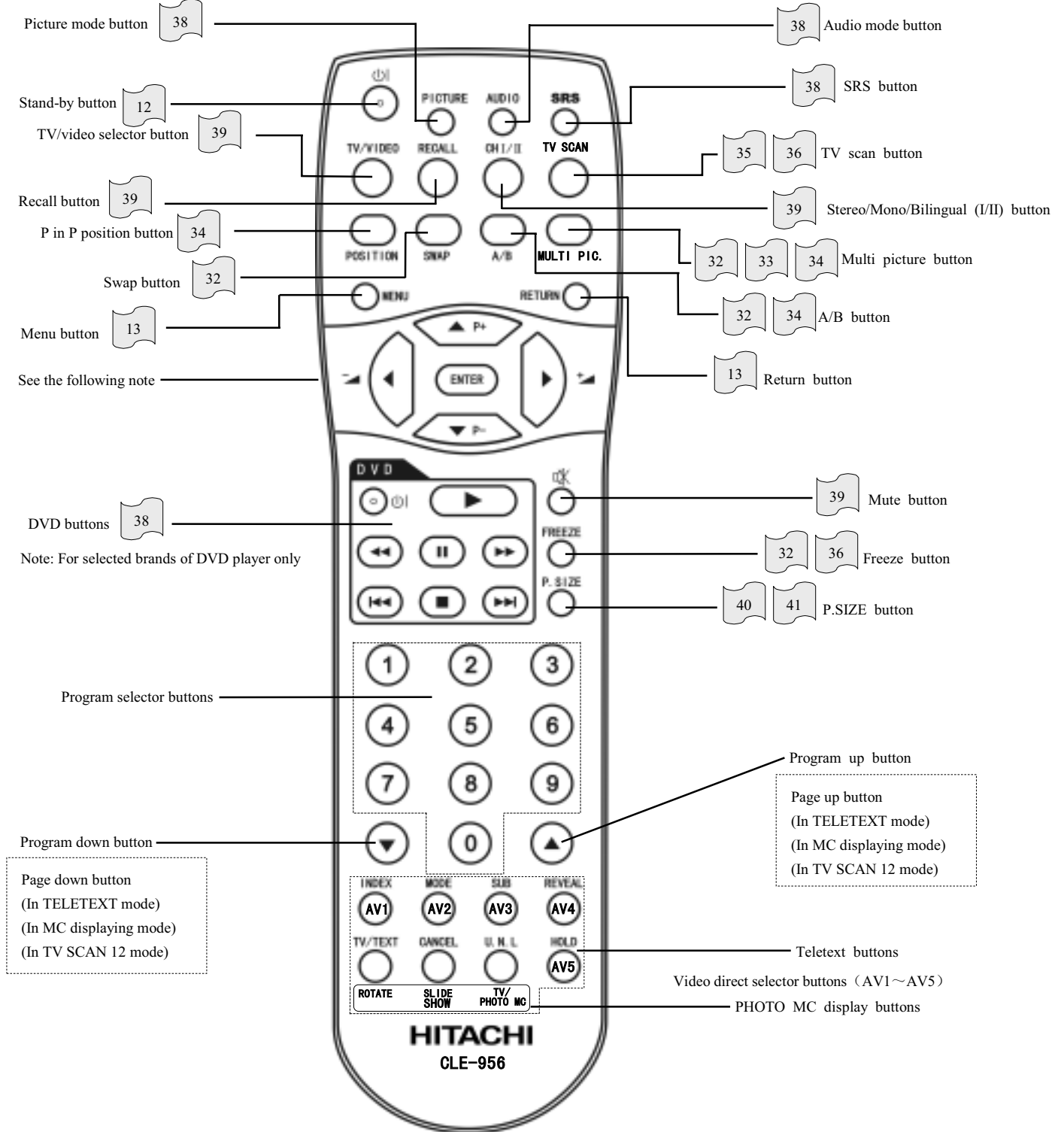
Rear panel



Note: Before using these rear panel jacks, please refer to the Instruction Manual on page 45, 46.

FUNCTIONAL PARTS

The remote control unit



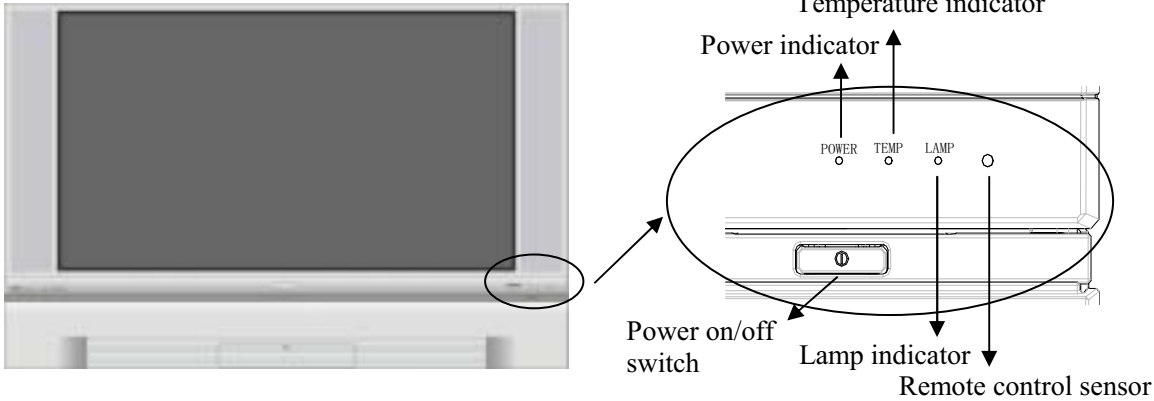
Note : **ENTER** button is used to set or confirm menu, please see page 13 in detail. **▲P+** **▼P-** **◀▶** buttons are cursor up, down, left and right buttons, or **▲P+** / **▼P-** are program up and down buttons, **▶** / **◀** are also volume up and down buttons. The characters “**▲▼◀▶** cursor” shown in this instruction manual are for these four buttons.

GETTING STARTED

Power on/off

To turn the power on


Press the power on/off switch. The blue power indicator will blink quickly while the LAMP is preheating. After ten seconds (*1), the power indicator will stay on and the picture will start to appear. The picture will become normal after another 50 seconds.




POWER indicator	blink quickly	Lamp is preheating	
	blink slowly	Lamp is cooling	
	on(dark)	On standby	
	on(bright)	Power on	
LAMP indicator	on	Lamp going out	Please contact a service technician for inspection or repairing.
	blink	Lamp's door being opened	
TEMP indicator	on	Lamp overheating	
	blink	Fan stopping	

(*1) With the special operation or something wrong occurs to the lamp, the blinking will prolong.


When the set is on standby

If the set is turned off by pressing the  button on the remote control unit, the power indicator will become dark after two minutes slow blinking (lamp is cooling), then the set is entering standby mode, indicating the TV is not turned off completely when it is in slight power consumption mode and waiting for your new command.

You can turn on the set using the  button on the remote control unit in standby mode. The picture will appear after the power indicator quick blinking (the lamp is preheating). The picture will become normal in 50 seconds. You can also press the program **CH +/-** buttons on the front panel to turn on the set.

To turn power off

1. Put the set in standby mode, first.

Press the  button on the remote control unit, the power indicator will become dark after two minutes slow blinking (lamp is cooling), then the set will enter standby mode.

2. Then turn off the power.

Be sure that the power indicator becomes dark after slow blinking, then press the set power on/off switch to turn off the power.

Notes :(1)Please follow the above steps to prolong the lamp life. Avoid turning off the power directly.

(2)You can press the power on/off switch to cut the power supply directly in times of emergency only.

(3)Failure to follow the correct operating and shutdown procedures may damage the lamp and void the warranty.



Note : If you are not going to use the set for a long time, turn off the power on/off switch and disconnect the plug from the power outlet.




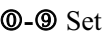

GETTING STARTED

Instructions for the on-screen display menu

- Before watching the TV, please familiarize yourself with the method to use the menu function of this TV.
- Instruction in this manual is based on using the remote control unit. The words or symbols with frames mean the buttons on the remote control unit.
- The Chinese characters on the TV are supplied by Rico company. The logos and symbols in this instruction manual are intended to make explanations if they differ from actual image. Please subject to the actual one.

1. **Menu:** After the power is on, press **MENU** button to enter the menu screen which shows a list of optional main adjustment items, such as **Picture, Audio, Timer** etc.
2. **Adjustment items:** After a main adjustment item is selected and entered, the screen will enter into the selection and show a list of related optional sub-adjustment items. After a sub-adjustment item is selected and entered, it may enter the next stage of sub-menu display until the last stage of the adjustment item is entered. When an adjustment item is selected, the characters of the adjustment item will be put on color and usually accompanied by mark “▶”.

Menu display

	Menu symbols	Description
1	 Select	This symbol is displayed at the bottom of the menu, indicating that you can select the adjustment item on the menu by pressing the ▲ or ▼ cursor on the remote control unit.
2	 Set	This symbol is displayed at the bottom of the menu, indicating that you can enter or confirm the adjustment item selected when pressing the ENTER button on the remote control unit.
3	 Set	This symbol is displayed at the bottom of the menu, indicating that you can adjust the selected item by pressing the ◀ or ▶ cursor buttons on the remote control unit.
4	 Set	This symbol is displayed at the bottom of the menu, indicating that you can enter the number you desired when pressing the 0 – 9 number buttons on the remote control unit.
5	Reset	The character Reset is displayed in the menu, indicating that you can return the current menu to the factory setting default by pressing the ENTER button on the remote control unit.
6	 Return	This symbol is displayed at the bottom of the menu, indicating that you can return to the previous page by pressing the RETURN button on the remote control unit.

3. You can interrupt your menu operating and exit menu display mode by pressing **MENU** button at any moment. In the process of menu display, the set will exit menu display mode if any new menu is not operated for a while.

GETTING STARTED

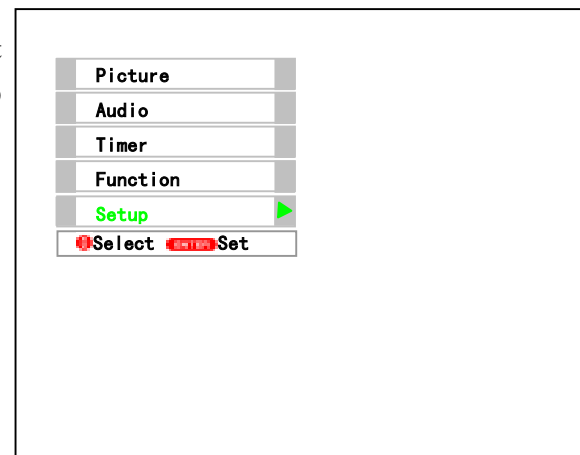
Selecting the on-screen display language

You can choose the two different languages (Chinese and English) from the on-screen display. When necessary, you may change display language following the procedures below.

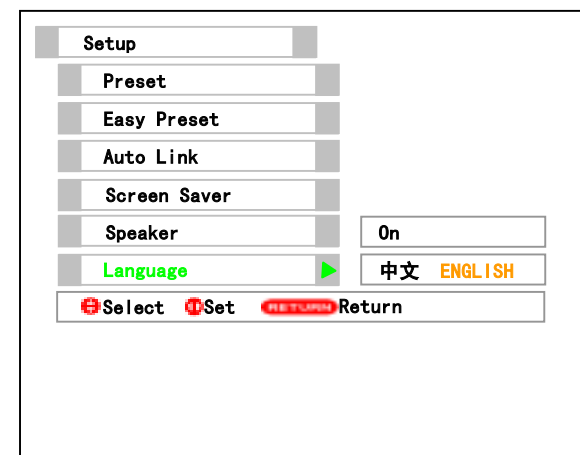
1 Press **MENU** button to display menu as shown on right.



2 Press the **▲** **▼** cursor buttons on the remote control unit to select **Setup** option as shown on right. (The **Setup** option is displayed in green) .



3 Press **ENTER** button to enter the **Setup** menu.
Press the **▲** **▼** cursor buttons to select the **Language** option (shown on right) , then press the **◀** **▶** cursor buttons to select the desired language: **中文 (Chinese)** or **ENGLISH**.
Menu language will immediately change according to your choice.



4 Press **RETURN** button to return to the last stage of menu or press **MENU** button to quit.

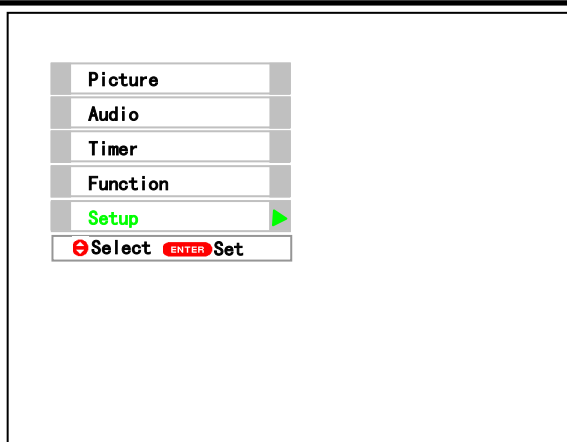
GETTING STARTED

Easy preset

It becomes convenient for the customers to program the TV using the remote control unit and on-screen display of the TV set. Please follow the procedures below to start tuning.

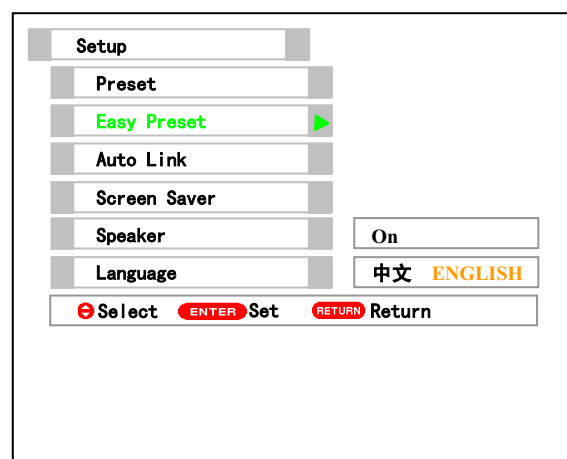
1 Press **MENU** button to display menu.

Press the **▲** **▼** cursor buttons to select **Setup** option as shown on right.



2 Press **ENTER** button to display **Setup** menu.

Press the **▲** **▼** cursor buttons to select **Easy Preset** option as shown on right.

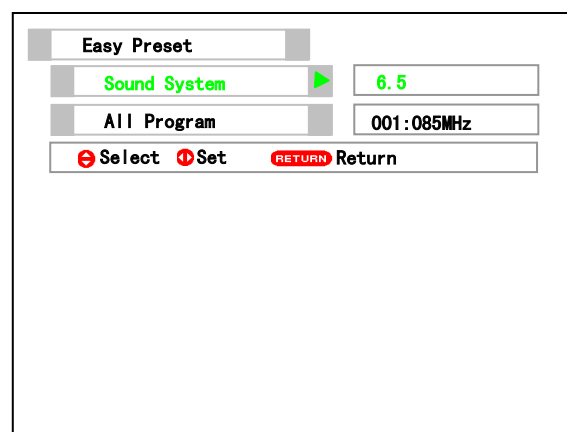


3 Press **ENTER** button to display **Easy Preset** menu.

Press the **▲** **▼** cursor buttons to select **Sound System** option, then press the **◀** **▶** cursor buttons to select the required sound system.

Now press the **▲** **▼** cursor buttons to select **All Program** option, then press **ENTER** button to begin the auto tune procedure. The character **Searching** will appear at the bottom of menu, indicating that the TV is searching and storing all signals available in the area or CATV. You can interrupt it by pressing the **ENTER** button in the process of searching.

The set'll exit menu display mode automatically after searching is finished.



Note:

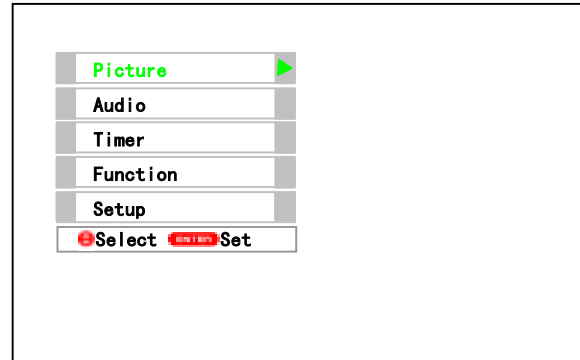
- 1) If you want to arrange the program obtained by **Easy Preset**, please refer to the **Tuning** section on page 22.
- 2) If your equipment (such as VCR, Game Machine) only has RF output, connect it with RF cable into the antenna input of the TV set and refer to the **Tuning** section on page 22 for presetting.
- 3) When you are in video mode (AV1, AV2 etc.) , accessing **Easy Preset** menu will enable the TV to switch to RF mode automatically. This is normal.

ON-SCREEN DISPLAY MENU 【PICTURE MENU】

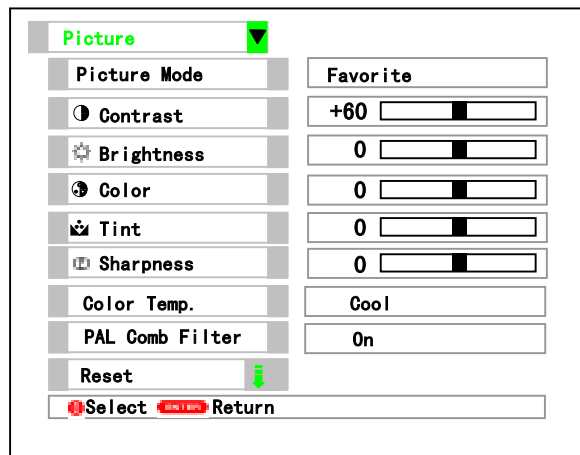
Picture menu

Picture menu allows you to adjust various picture settings such as brightness, color, contrast and sharpness, including the setting of color temperature, dynamic contrast ect. Follow the steps below.

- 1 Press **MENU** button to display menu.
Press the **▲** **▼** cursor buttons to select **Picture** option as shown on right.

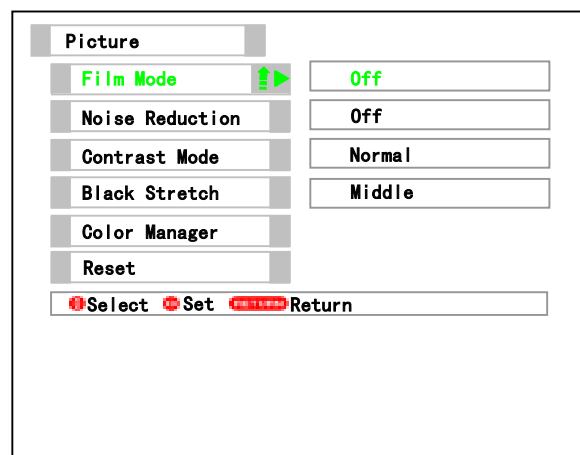


- 2 Press **ENTER** button to display **Picture** menu as shown on right.
First it provides you with four different picture modes (**Dynamic**, **Natural**, **Theater**, **Favorite**). You can press the **◀** **▶** cursor buttons to select. We suggest that you try every item to obtain the desired picture effect.
Press the **▲** **▼** cursor buttons to select the adjustment item to set the picture effect you desired, and then press the **◀** **▶** cursor buttons to adjust.





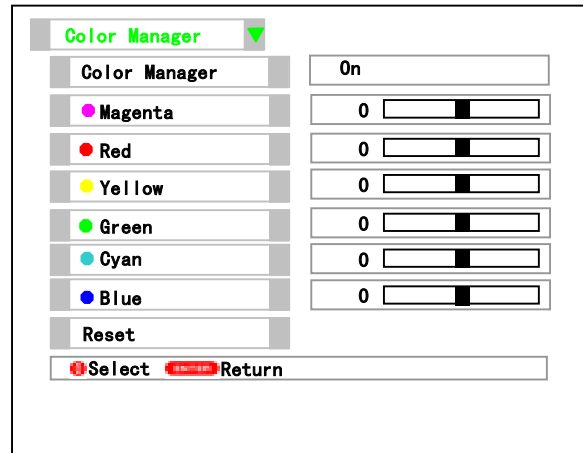
Notes : For AV1~AV5 input, different picture modes can be set individually.

- 3 Press the **▼** cursor button till the second page in **Picture** menu appears as shown on right. These settings allow you to enhance or improve the visual condition of the picture.



ON-SCREEN DISPLAY MENU 【PICTURE MENU】

- 4 Repeatedly press the  cursor button to select **Color Manager** option, and then press the  cursor button to enter the menu as shown on right.



Each items in picture menu as shown below:

Item			Note	
Picture Mode			Suggesting that you try every item to obtain the desired picture effect. It's convenient for you to press PICTURE button to switch among the four picture modes.	
Contrast	Narrow the difference between the brightness and darkness	Enhance the difference between the brightness and darkness	Please adjust according to the personal preference (Suggesting that the setting is set on the factory setting.)	
Brightness	Brightness reduction	Enhancing brightness		
Color	Color thickness weaker	Color thickness stronger		
Tint	Enhance red, reduce green	Enhance green, reduce red	Tint display can be effective and adjusted only by receiving NTSC signal or using the Y, P _B /C _B , P _R /C _R input. Adjustment can be made on the basis of the actual color.	
Sharpness	soft	sharp	It is set in the middle normally.	
Color Temp.			It is set by cool normally.	
PAL Comb Filter			Only when receiving PAL signal, PAL Comb Filter option can be set on or off. The other signals of its option are set by inside auto setting.	
Film Mode			HD or progressive signals input, Film Mode will not adjust. While the Film Mode is on, a special built-in correcting circuit in the TV will improve the video performance when viewing film based sources.	
Noise Reduction			Noise Reduction can be determined freely according to the signal condition and the picture noise.	
Contrast Mode			Selecting among the three modes of normal, auto and dynamic to obtain the best effect.	
Black Stretch			Adjust shadow detail in dark scenes.	
Color Manager			When the Color Manager option is set on, you can adjust and balance their individual color for your personal preference to obtain the deeper and purer color effect.	
	Magenta	Reduce purple thickness		Enhance purple thickness
	Red	Reduce red thickness		Enhance red thickness
	Yellow	Reduce yellow thickness		Enhance yellow thickness
	Green	Reduce green thickness		Enhance green thickness
	Blue	Reduce blue thickness		Enhance blue thickness
Reset	Make sure the reset function		The current setting of the menu return to the factory setting. (Press ENTER button can also be reset.)	

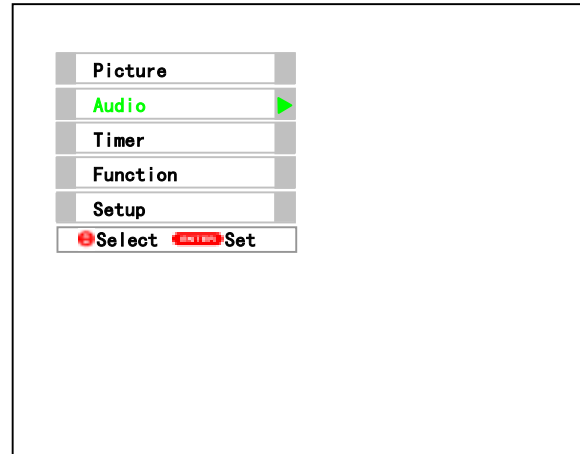
ON-SCREEN DISPLAY MENU 【AUDIO MENU】

Audio menu

Audio menu allows you to control various sounds, such as treble, bass and balance etc. including the settings of surround effect, perfect volume etc. Please follow the steps below.

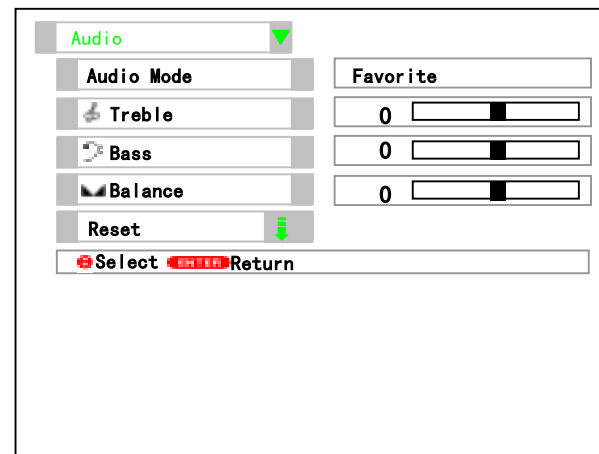
1 Press **MENU** button to display menu.

Press the **▲** **▼** cursor buttons to select **Audio** option as shown on right.



2 Press **ENTER** button to display the first page in **Audio** menu as shown on right.

The first page provides you with four different audio modes (**Theater**, **Music**, **Narration** and **Favorite**). You can press the **◀** **▶** cursor buttons to select. We suggest that you try every item to obtain the desired sound effect. If you want to obtain your favorite sound effect, you can press the **▲** **▼** cursor buttons to select the adjustment item and then press the **◀** **▶** cursor buttons to adjust. During the process of adjustment, the indicator will move left or right, allowing you to know the state of adjustment directly.

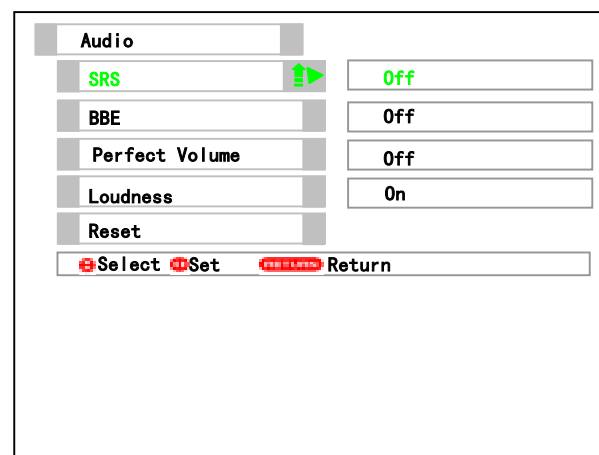


NOTE: Press **AUDIO** button on the remote control unit, you can switch among the above four audio modes easily.

3 Press the **▼** cursor button until the second page in **Audio** menu appears as shown on right. These settings allow you to enhance or improve sound effect.

Notes:

- (1) **SRS** is a trademark of **SRS Labs, Inc.**
SRS technology is incorporated under license from **SRS Labs, Inc.**
- (2) **BBE** : Licensed by **BBE Sound, Inc.**
under **USP4638258** and **4482866**. **BBE** and **BBE** symbol are registered trademarks of **BBE Sound, Inc.**

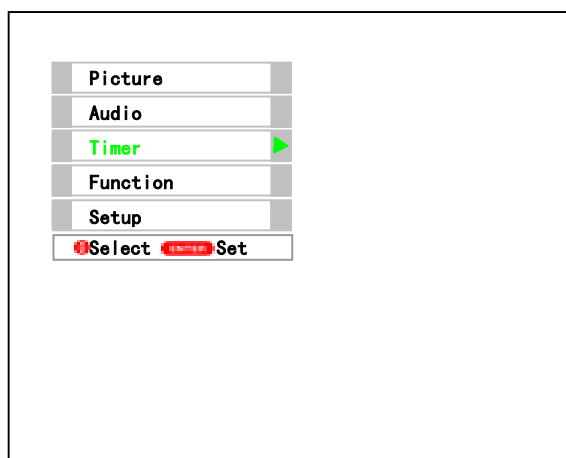


ON-SCREEN DISPLAY MENU 【TIMER MENU】

Timer menu

The **Timer** for the set uses a countdown timer system. It can be set by **On Timer**, **Off Timer** and **Auto Off**.

- 1 Press **MENU** button to display menu.
Press the **▲** **▼** cursor buttons to select **Timer** option as shown on right.



- 2 Press **ENTER** button to display **Timer** menu.
The adjustment items are shown below.

Off Timer

Example: To turn off after 1 hour and 25 minutes.

Press the **▲** **▼** cursor buttons to select **Off** option.
Press number button on the remote control unit to enter the specified amount of time (the maximum time is 23:59), input the hour, then input minute, i.e.01:25(shown on right).

After 1 hour and 25 minutes, the TV will go into standby mode. Timer starts countdown after quitting the **Timer** menu.

Note: For the sake of safety, after setting **Off Timer**, if the power is turned off (or power supply is turn off accidentally) before the set time elapses, the TV will be in standby mode when you restart the TV.

On Timer

The setting of **On Timer** is similar to that of **Off Timer**. After **On Timer** is set, please turn off the TV by pressing **⏻** button on the remote control unit until to allow the TV entering countdown mode. The power indicator on the front of the TV blinks two minutes later, it is entering the circle mode of **quick blinking**→**dark**→**quick blinking**. This is normal. The power is turned on automatically when the set time has elapsed.

Notes: (1) If turning off the set by using Power on/off switch, the **On Timer** will not work.

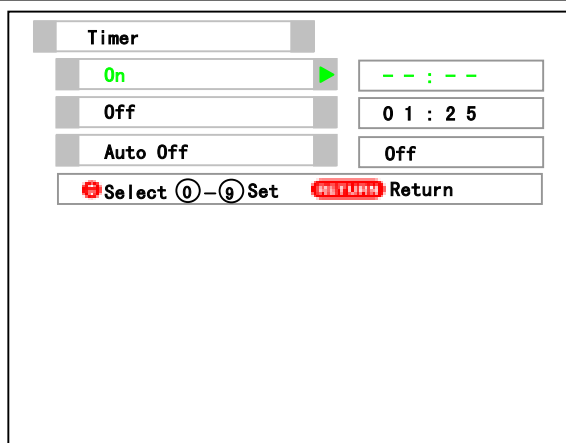
(2) If the power is turned off by using Power on/off switch before the set time is approaching or the power supply is turned off accidently. The TV will be in standby mode when you restart the TV.

(3) For the sake of safety, if there is no operation for 2 hours after the power is turned on by the **On Timer** function, the power then turn off automatically and the TV will be in standby mode.

Auto Off

If **Auto Off** set to **On**, the TV will go into standby mode automatically in 60 minutes when there is no more broadcasting transmission and no signal is detected. **Auto Off** set to **Off** will cancel the function.

Note : After no signal is detected within 60 minutes, switching TV to any channel with signal will cancel the **Auto Off** function.



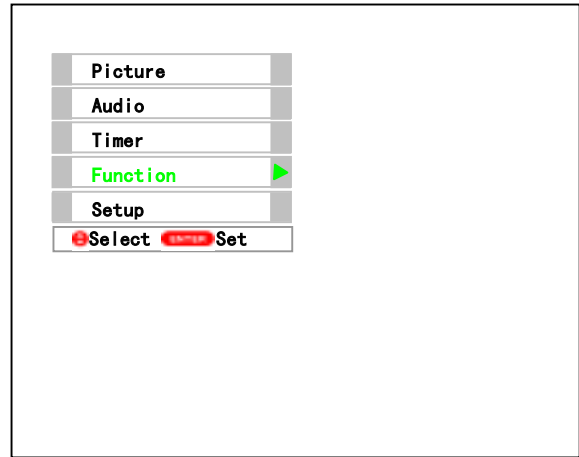
ON-SCREEN DISPLAY MENU 【FUNCTION MENU】

Function menu

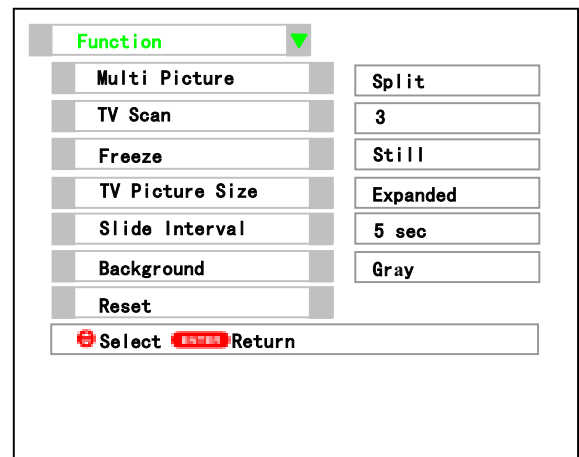
Function menu allows you to access the selection of Multi-Picture mode, Slide Interval, Background. Follow the steps below:

1 Press **MENU** button to display menu.

Press the **▲** **▼** cursor buttons to select **Function** option as shown on right.



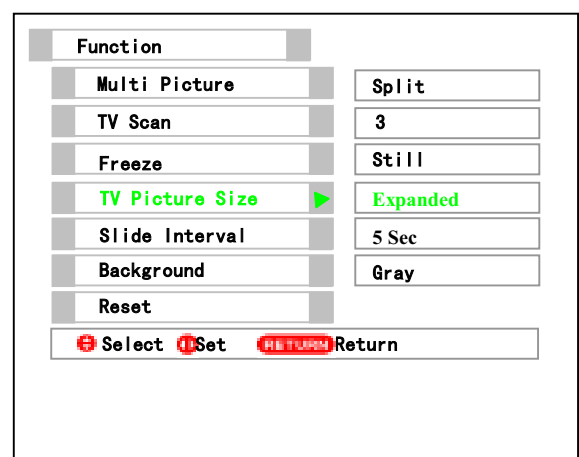
2 Press **ENTER** button to display **Function** menu as shown on right.



3 【TV Picture Size】

Press the **▲** **▼** cursor buttons, choose **TV Picture Size** option as shown on right.

Press the **◀** **▶** cursor buttons to set **TV Picture Size** option as **Expanded**, **4:3** or **16:9** three mode.



Note: When use the function, refer to page 40 about explanation of **ASPECT MODE**.

Note:

1. If choose **Multi Picture** or **TV Scan** option in **Function** menu, refer to page 32-36.
2. If choose **Freeze** option in **Function** menu, refer to page 32, 36.

ON-SCREEN DISPLAY MENU 【FUNCTION MENU】

4 【Slide Interval】

As indicated before (page 20), enter menu and then **Function** to select **Slide Interval** option as shown on right.

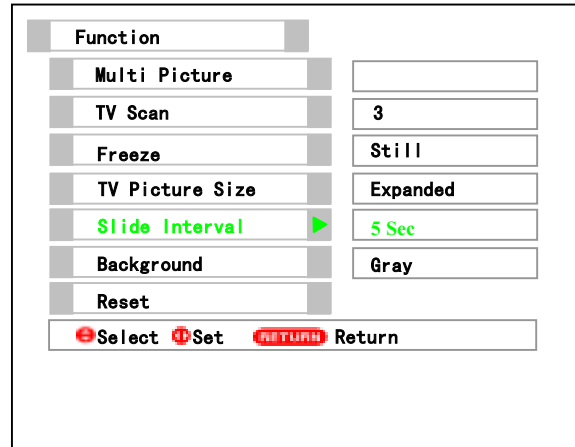
Press the ◀ ▶ cursor buttons to set **Slide Interval** option between **5 Sec**, **10 Sec** and **30 Sec** three modes.

Notes:

1. While in **PHOTO MC** mode, press the **SLIDE SHOW** button to carry out viewing automatically, the interval for photo displaying by turns is called **Slide Interval**. For example, **Slide Interval** is set **5 Sec**, namely, the set will display next photo by every 5 seconds.

Note: According to the contents of photo, the actual interval may be longer than setup.

2. While using this function, please refer to **PHOTO MC** function on page 42, 43.

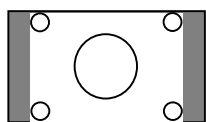


5 【Background】

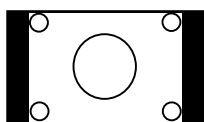
As indicated before (page 20), enter menu and then **Function** to select **Background** option as shown on right.

Press the ◀ ▶ cursor buttons to set **Background** to **Gray** or **Black**.

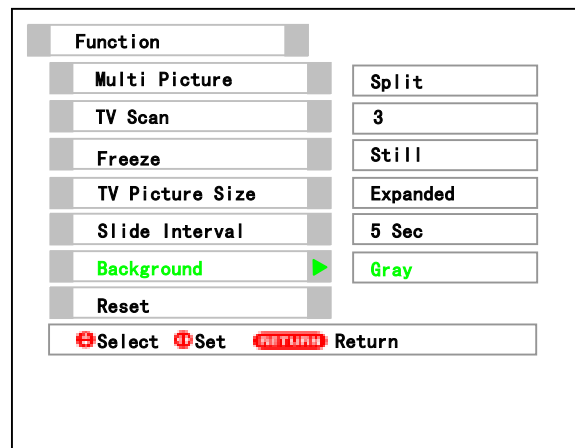
This function allows you to set two sides background color of 4:3 aspect mode (as shown below), the background colors while both in **Multi Picture** mode and **Photo MC** mode.



Background set to Gray



Background set to Black



ON-SCREEN DISPLAY MENU 【SETUP MENU】

Setup menu

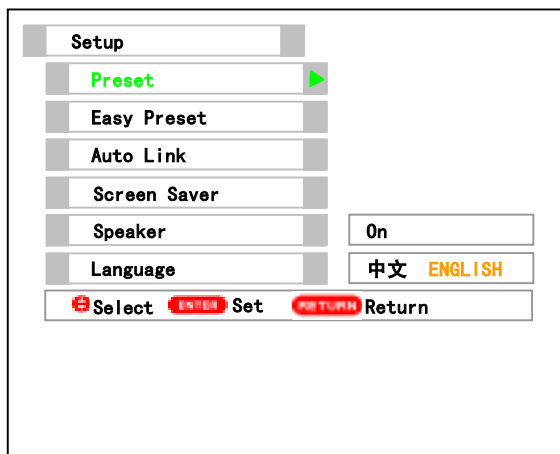
【Preset: Tuning】

You can perform Search, Skip, Color system, Sound system and Program named ect. on the **Tuning** menu. When the **Easy Preset** tuning is not desirable, you can adopt the following method to select programs.

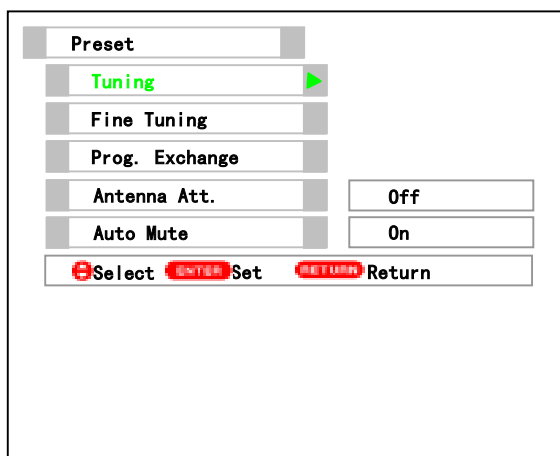
- 1 Press the **MENU** button to display menu.
Press the **▲** **▼** cursor buttons to select **Setup** option as shown on right.



- 2 Press the **ENTER** button to enter the **Setup** menu.
Press the **▼** cursor button to select **Preset** option as shown on right.



- 3 Press the **ENTER** button to display **Preset** menu.
Press the **▼** cursor button to select **Tuning** option as shown on right.



ON-SCREEN DISPLAY MENU 【SETUP MENU】

- 4 Press the **ENTER** button to display **Tuning** menu.
Press the **▲▼** cursor buttons to select **Tuning Mode** option. Select the channel receiving mode in your region using the **◀▶** cursor buttons. For example, in Singapore, please select **CCIR** as shown on right.

Note: If without **CCIR** and **China**, you can select **Freq.** to tune.

Tuning	
Tuning Mode	CCIR
Program Number	001
Search	048MHz
Skip	Off
Sound System	Auto
Color System	Auto
Program Name	-----
TV NR	Off
All Program	
⊕ Select ⊖ Set ⏪ ⏩ Return	

- 5 Press the **▲▼** cursor buttons to select **Program Number** option as shown on right.

Choose a particular program number by pressing the **◀▶** cursor buttons or directly enter the program number buttons. For example 001,002.....199 etc. Then press the **▼** button to select **Search** option. Press the **◀** or **▶** cursor button, the TV will begin searching automatically backward (low frequency) or forward (high frequency) until adjacent broadcast is found. You can also continue pressing the **◀** or **▶** cursor button to search the channel until the desired channel is available.

In this way, you can manually select the desired program easily. Also, you can receive programs from RF output terminal of some equipment.

Also, you can receive AV program using a particular **Program Number**. Select **Search** option and press the **TV/VIDEO** button on the remote control unit to select AV1, AV2 etc.

If you don't want to preset AV program, please press the **ENTER** button to quit the AV program setting.

Tuning	
Tuning Mode	CCIR
Program Number	001
Search	048MHz
Skip	Off
Sound System	Auto
Color System	Auto
Program Name	-----
TV NR	Off
All Program	
⊕ Select ⊖ Set ⏪ ⏩ Return	

- 6 Press the **▲▼** cursor buttons to enter **Skip** option as shown on right.

The **Skip** option allows you to skip those programs you don't like, for example, some repeated programs or programs with weak signal etc. When skip function is **On** using the **◀▶** cursor buttons, it will skip these programs automatically if you are to select the channels by **Program up/down** buttons.

Skipped program numbers can be still accessed by selecting the appropriate number buttons. After accessing the skipped program number, you can access the menu to reset the **Skip** option.

Tuning	
Tuning Mode	CCIR
Program Number	001
Search	048MHz
Skip	Off
Sound System	Auto
Color System	Auto
Program Name	-----
TV NR	Off
All Program	
⊕ Select ⊖ Set ⏪ ⏩ Return	

ON-SCREEN DISPLAY MENU 【SETUP MENU】

- 7 The **Sound System** option in **Tuning** menu allows you to select various sound system. For example, **Auto**, **4.5(J)**, **4.5(U)**, **5.5**, **6.0** or **6.5**. (Note: Here the unit “MHz” is omitted.)

Press the ▲ ▼ cursor buttons to select **Sound System** option, and then press the ◀ ▶ cursor buttons to select various sound system as shown on right.

Auto is recommended, as this will automatically determine what system is being broadcasted.

Tuning	
Tuning Mode	CCIR
Program Number	001
Search	048MHz
Skip	Off
Sound System	Auto
Color System	Auto
Program Name	-----
TV NR	Off
All Program	
<input type="button" value="Select"/> <input type="button" value="Set"/> <input type="button" value="RETURN"/> <input type="button" value="Return"/>	

- 8 The **Color System** option in **Tuning** menu allows you to select various color system. For example, **Auto**, **PAL**, **SECAM**, **NTSC4.43** or **NTSC3.58**.

Press the ▲ ▼ cursor buttons to select **Color System** option and then press the ◀ ▶ cursor buttons to select various color system as shown on right.

Auto is recommended, as this will determine automatically what color system is being broadcasted. However, some weak broadcast signals might cause incorrect judgment, and it may become necessary to allocate a particular system to that program number.

Tuning	
Tuning Mode	CCIR
Program Number	001
Search	048MHz
Skip	Off
Sound System	Auto
Color System	Auto
Program Name	-----
TV NR	Off
All Program	
<input type="button" value="Select"/> <input type="button" value="Set"/> <input type="button" value="RETURN"/> <input type="button" value="Return"/>	

Note: Please set the **Color System** to **Auto** when receiving signal without color burst.

- 9 **Program Name** option in the **Tuning** menu is used to give each program a name easy to recognize.

Press the ▲ ▼ cursor buttons to select the **Program Name** option, then press the ▶ cursor button to select the letter to be changed from the left to right. When the letter is selected, press the ▲ ▼ cursor buttons to select the desired letter.

When you select a program that has been named, the top right corner of screen will display program number and program name etc. You can see the same display when you press the **RECALL** button.

Tuning	
Tuning Mode	CCIR
Program Number	001
Search	048MHz
Skip	Off
Sound System	Auto
Color System	Auto
Program Name	-----
TV NR	Off
All Program	
<input type="button" value="Select"/> <input type="button" value="Cursor"/> <input type="button" value="RETURN"/> <input type="button" value="Return"/>	

Notes:

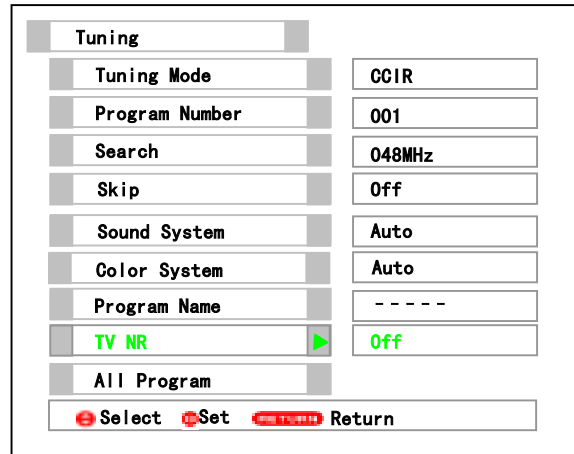
- (1) The letters above include 39 letters such as *, —, space, 0-9, A-Z, etc.
- (2) When [-----] appears in the **Program Name**, indicating that the program is not named.
- (3) Try to avoid using all spaces to name the program.

ON-SCREEN DISPLAY MENU 【SETUP MENU】

10 If the noise in the picture are bigger resulted from the weaker RF signals from some channels, you can reduce such occurrence by using **TV NR** function. Press the cursor buttons to select **TV NR** option and then press the cursor buttons to select **Off**, **Low** and **High** these three options for turning off noise reduction function, low noise reduction range and high noise reduction range.

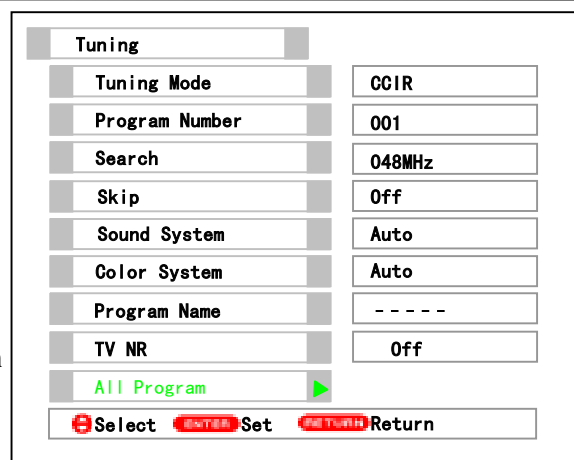
Different channels can set independently.

Note: This option is valid only for RF signal from antenna.



11 All Programs in **Tuning** menu can automatically search all available frequencies and store all stations available to the program numbers starting from the current program No.

Press the cursor buttons to select **Program Number** option and then press the cursor buttons or number button to select program No. Press the cursor buttons to highlight **All Program** option as shown on right. Then press the **ENTER** cursor button to begin the auto tune procedure. The



letter **Searching** appears at the bottom of the menu and the TV will be now searching all frequencies and store all stations to the program numbers starting from the **Program Number** selected.

In the process of searching , you can press the **ENTER** button to quit.

When completing searching, the TV will quit the menu automatically.

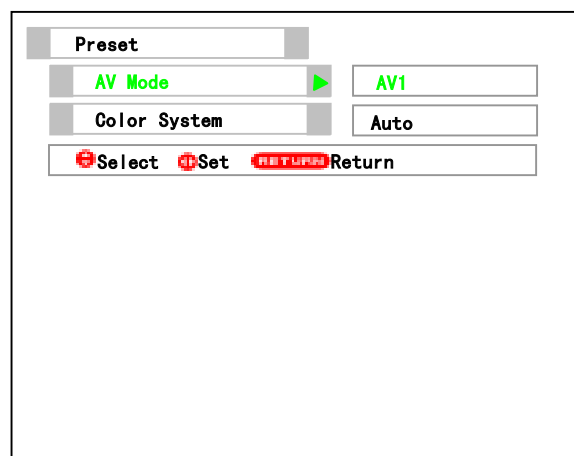
AV Preset

Press the **TV/VIDEO** button to switch the picture to the AV mode.

Then select the **Preset** menu (follow the steps before) to display the menu on right. Press the cursor buttons to select **AV Mode** option and or **TV/VIDEO** to select **AV1**, **AV2**, **AV3**, **AV4** or **AV5**.

Press the cursor buttons to select **Color System** option, then press the cursor buttons to select **AUTO**, **PAL**, **SECAM**, **NTSC4.43** or **NTSC3.58**.

If the picture in AV mode is abnormal resulted from incorrect color system, you can use **Color System** option to select the correct system.

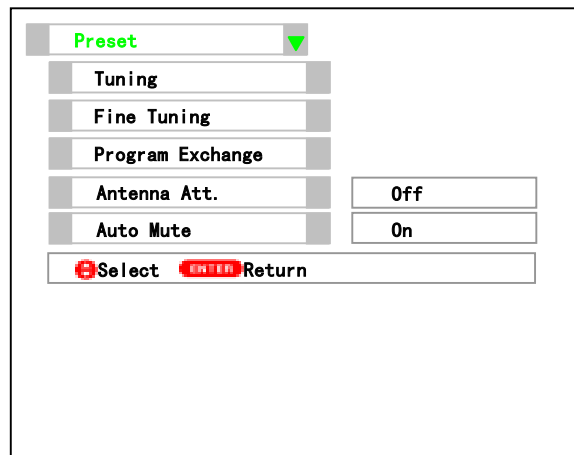


When receiving component signal (Y, P_B/C_B, P_R/C_R) from INPUT1 or INPUT2 terminal, the picture will not change though **Color System** option above are changeable. This is normal.

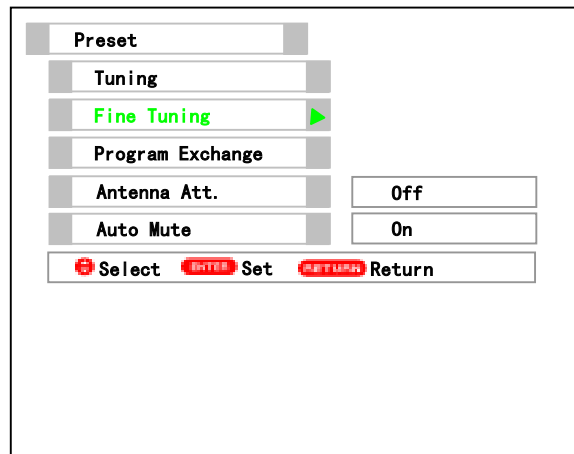
ON-SCREEN DISPLAY MENU 【SETUP MENU】

【Preset:Fine Tuning】 It is not necessary to fine tune in normal receive condition. However, fine tuning is required in some areas where the broadcasting signals are weak. Follow the steps as shown below.

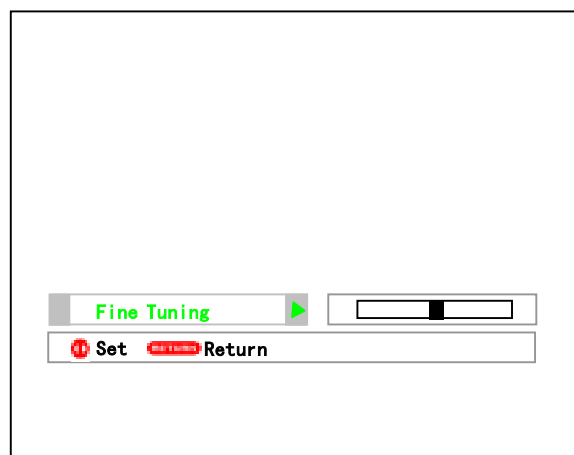
- 1 Follow steps on page 22 to enter menu and then select **Setup** menu, highlight **Preset** option as shown on right.



- 2 Press the ▲▼ cursor buttons to select **Fine Tuning** option as shown on right.



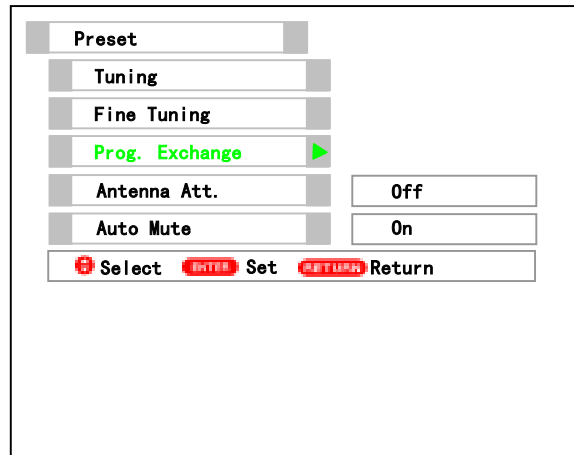
- 3 The Fine Tuning adjustment band is shown on the screen as shown on right by pressing the **ENTER** button. Then press the ◀▶ cursor buttons to fine tune until the desired picture is available.



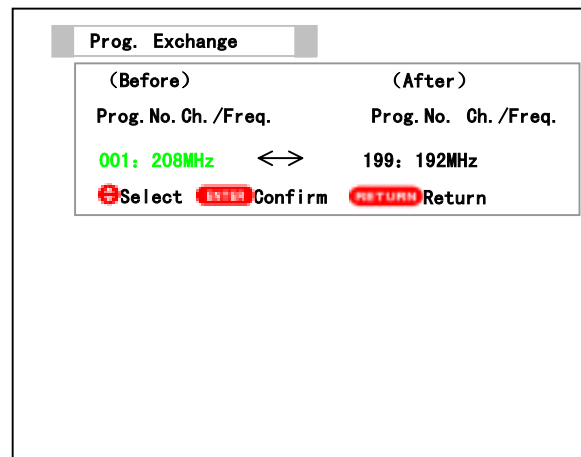
ON-SCREEN DISPLAY MENU 【SETUP MENU】

【Preset: Prog. Exchange】 This menu allows you to adjust the program to your desired sequence. Please perform the following steps.

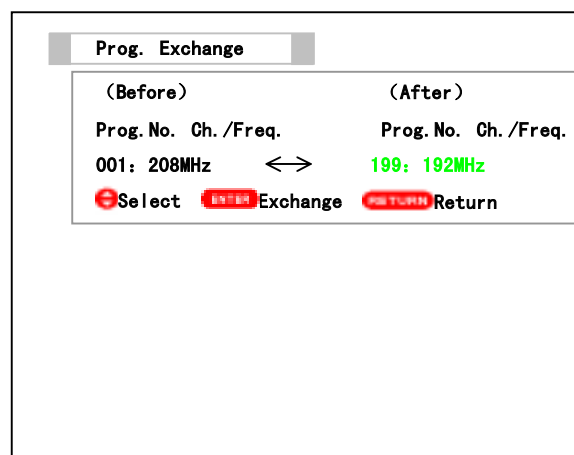
- 1 As indicated before (22 page), enter the **Setup** menu, then **Preset** menu to select **Prog. Exchange** option as shown on right.



- 2 Press the **ENTER** button to display the **Prog. Exchange** menu as shown on right. Highlight the **Prog. No.** option to be exchanged (left side of arrow shows green), press the **▲** **▼** cursor buttons to select the program No.001 shown on right.



- 3 Press the **ENTER** button to highlight the other **Prog. No.** (right side of arrow shows green) and press the **▲** **▼** cursor buttons to select the program No. desired to be exchanged No.199 shown on right. Then press the **ENTER** button to carry out the exchange.



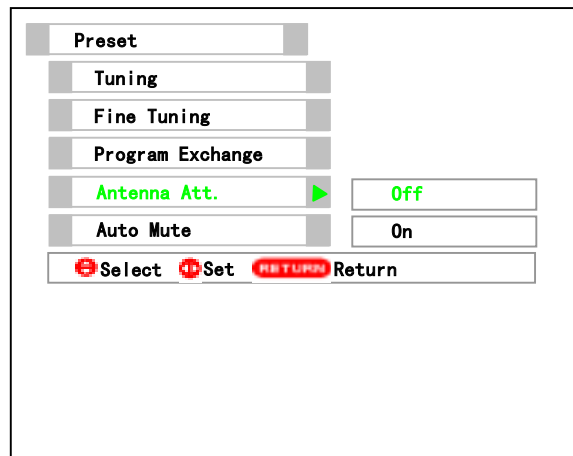
ON-SCREEN DISPLAY MENU 【SETUP MENU】

【Preset: Antenna Att.】

In some cases, the quality of picture may be impaired resulted from strong RF signal from the antenna terminal. You can set the antenna attenuation to avoid such occurrence. Please perform as follows.

As indicated before (22 page), enter menu, **Setup** menu, then **Preset** menu to select **Antenna Att.** option as shown on right.

Press the ◀▶ cursor buttons to set **Antenna Att.** option to **On** or **Off** for turning on or canceling **Antenna Att.** function.

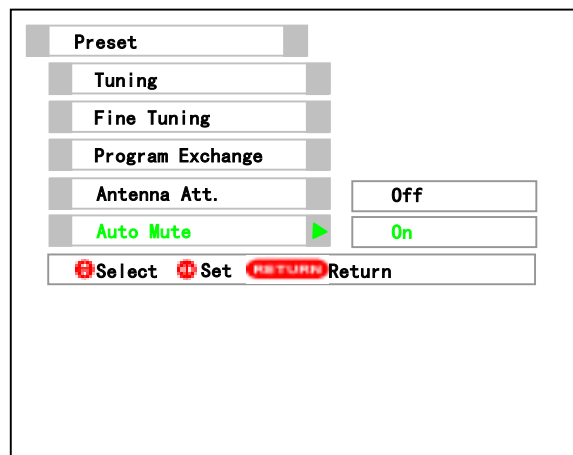


【Preset: Auto Mute】

If **Auto Mute** is **On**, the noise from TV will be controlled when no signal transmission is received from the antenna terminals. Please perform as follows.

As indicated before (22 page), enter menu, **Setup** menu, then **Preset** menu to select **Auto Mute** option as shown on right.

Press the ◀▶ cursor buttons to set **Auto Mute** to **On** or **Off** for turning on or canceling **Auto Mute** function.







【Easy Preset】 Refer to page 15.

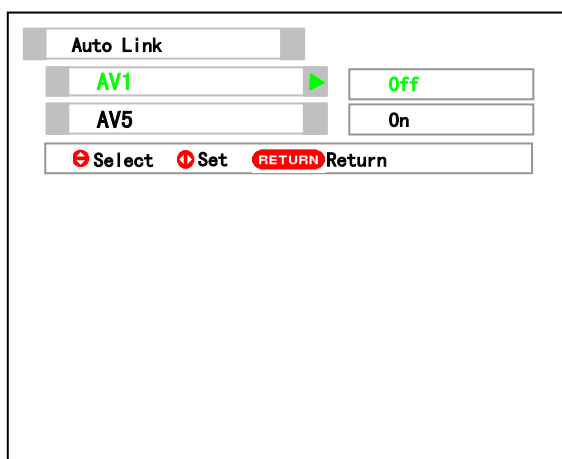
ON-SCREEN DISPLAY MENU 【SETUP MENU】

【Auto Link】

If **Auto Link** is set to **On**, when the signal from INPUT1 (VIDEO or Y) and INPUT5 (VIDEO or S) terminal are detected, the TV will turn on automatically and switch to AV1 or AV5 mode. It will allow you to use external equipment easily.

Please refer to the connection chart about connecting external equipment to **INPUT1** or **INPUT5** of the set on page 44, 45.

Follow the steps on page 22, enter the menu, **Setup** menu and **Auto Link** option as shown below. Press the   cursor buttons to select **AV1** or **AV5** option. Then press the   cursor buttons to set **AV1** or **AV5** to **On**, **Auto Link** function will be activated.



- (1) To switch on the power connected the signal source of AV1 or AV5 in a state of the set power on. When there is an output from the signal source, the set will switch to AV1 or AV5 from the RF or other AV receiving mode automatically.
- (2) If the set is in standby mode, turn on the power connected the signal source of AV1 or AV5, when there is an output from the signal source, the set will turn on and switch to AV1 or AV5 automatically. The set will turn to standby mode automatically from the time when there is no operation on the set for a long time.

Notes: (1) If the performance of your external equipment connected to AV1 and AV5 on the TV is not reliable, it is recommended to turn off **Auto Link** function to avoid incorrect operation.

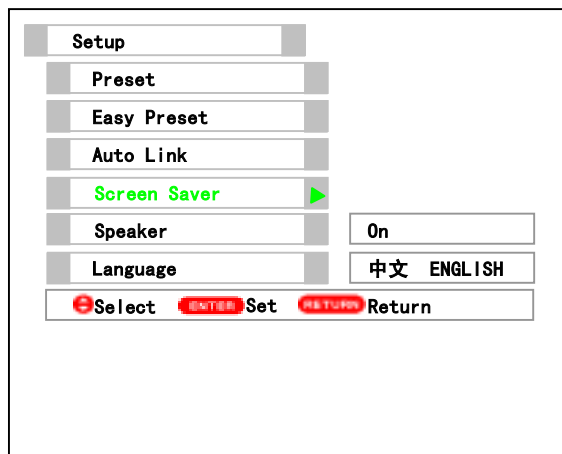
- (2) If using your external equipment or the videocassette recorder to perform recording after they are set to **On Timer**, do not use **Auto Link** function to avoid the misoperation.

ON-SCREEN DISPLAY MENU 【SETUP MENU】

【Screen Saver】

Continuous on-screen displays such as video games, non-moving pictures generated by computer can cause remain picture to the set. Using **Screen Saver** function to avoid remain picture.

Follow the steps on page 22, enter menu, **Setup** menu to select **Screen Saver** function, the menu as shown on right will be displayed.



【Picture Moving】

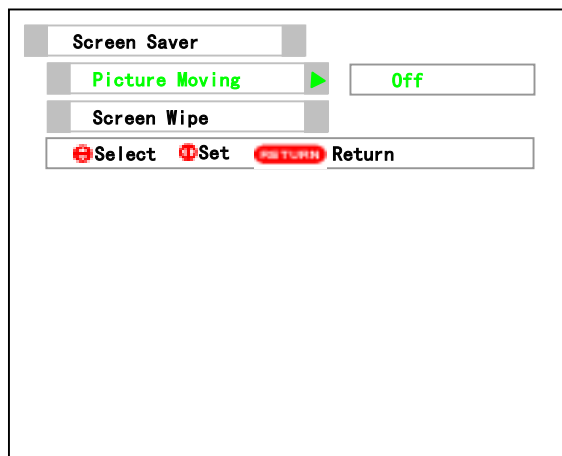
Press the **▲▼** cursor buttons to select **Picture Moving** in **Screen Saver** menu as shown on right. Press the **◀▶** cursor buttons to select among the four options such as **Off, 1, 2, 3**.

Mode 1: Indicating that the whole picture will shift every 20 minutes by two pixels.

Mode 2: Indicating that the whole picture will shift every 40 minutes by two pixels.

Mode 3: Indicating that the whole picture will shift every 60 minutes by two pixels.

Off: Indicating that picture's movement function is Off.



Use **Picture Moving** function to avoid the remain picture on the screen. In moving picture, it's very difficult to be noticed by eyes due to small range.

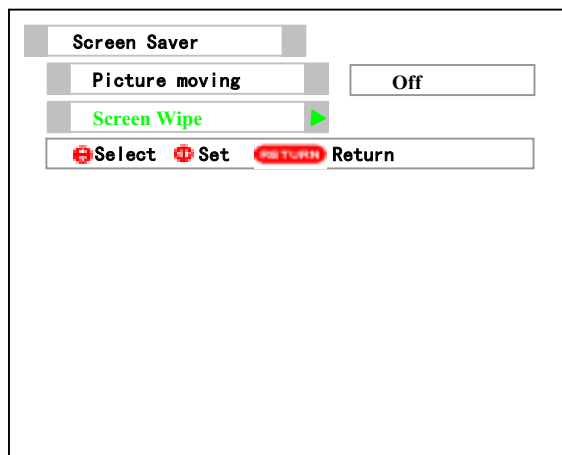
【Screen Wipe】

If remain picture occurs, use **Screen Wipe** (White Field Signal) function for at least 10 minutes to refresh any remain picture that may have occurred.

Follow the steps above, after displaying the **Screen Saver** menu, press the **▲▼** cursor buttons to select **Screen Wipe** function as shown on right.

Press the **ENTER** button to refresh **Screen Wipe** function and then white field will be displayed on the screen.

Press **ENTER**, **MENU**, **RETURN** or the **◀▶** cursor buttons to quit white field mode. If you press the other buttons, the letter **RETURN Exit** will appear on the lower left of screen, indicating that you should press the **RETURN** button to quit white field first, and then do these operations.



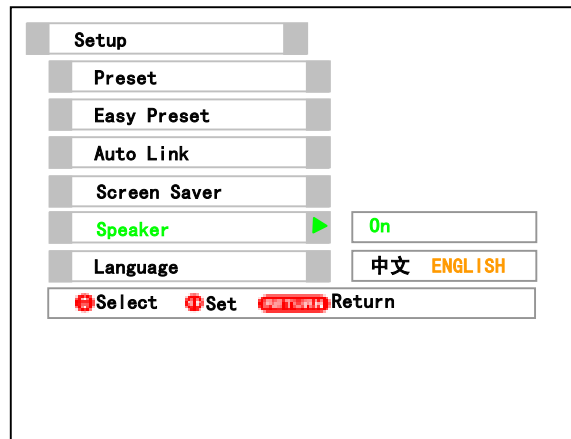
ON-SCREEN DISPLAY MENU 【SETUP MENU】



【Speaker】

With the **Speaker** function, you can turn off the speakers on the TV, and use only speakers from external stereo system by connecting the cable from the external stereo system to the variable audio output jack. This connection will allow you to control the volume to the stereo system by pressing **Volume up/down** button on the remote control unit of the set.

Notes: 1. Please refer to some related items on page 45, 46.

2. To prevent the damage to the speaker and distorted sound, please set the volume control of the stereo system lower and adjust the sound using the remote control unit of the set.



Follow the steps on page 22 to enter menu and then **Setup** menu to select **Speaker** option as shown above. Press the   cursor buttons to set **Speaker** option to **On** or **Off** for turning on or off **Speaker** function. The rear variable audio output is not subject to **Speaker** option.

【Language】 Refer to page 14



MULTI PICTURE FUNCTION

The **Multi Picture** function on this projection TV provides two modes, **Split** and **P in P**. To use the **Multi Picture** function allows you to enjoy the programs conveniently and comfortably.

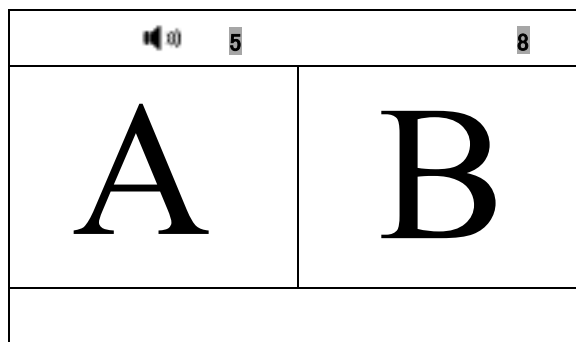
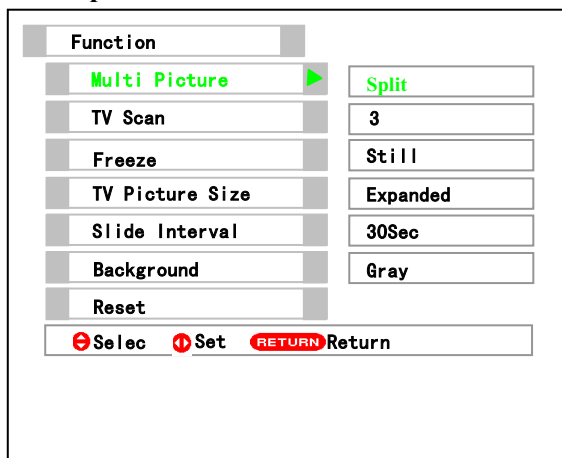
In normal picture mode, press the **MULTI PIC.** button to enter **Split** or **P in P** mode.

【Split mode】

Follow the steps on page 20, enter menu and then **Function** menu to select **Multi Picture** option as shown on right.

Press the   cursor buttons to set **Multi picture** option to **Split** mode and then quit the menu.

- In normal TV mode, press the **MULTI PIC.** button to enter **Split** mode as shown below. A and B pictures will show two programs of two channels respectively.
- Once you have entered **Split** mode, press the **A/B** button to select any one of the two pictures. A red trumpet symbol will appear on top of the selected picture to indicate as follows:
 - (1) The speaker on this set outputs the sound from the selected picture.
 - (2) **MONITOR OUT** jack outputs audio/video signals from the selected picture.
 - (3) **VARIABLE AUDIO OUT** jack output audio signal from the selected picture.
 - (4) The operations such as program selection, etc. are valid for the selected picture. However, the program No. selected in one picture can not be the same as that in the other one. Otherwise, the “! Not Available” symbol will appear.



Notes:



When the **RECALL** button is pressed, A and B pictures will display their respective programs No. instantly, and the red trumpet symbol will appear on top of the selected picture momentarily.

- While in **Split** mode, press the **SWAP** button to switch between the two pictures, namely, the exchange of program sources in A, B pictures.
- If **Freeze** option in **Function** menu is set to **Still**, while in the normal TV mode, pressing the **FREEZE** button will enter **Split** mode automatically. A picture will display the current moving picture and B picture will display a still picture frozen by pressing the **FREEZE** button. On this point **MONITOR OUT** terminal on this set output video/audio signals from A picture, **VARIABLE AUDIO OUT** terminal output audio signal from A picture too. Set **Freeze** option in **Function** menu to **Strobe**, please see page 36 in detail.
- In **Split** mode, the **POSITION** button will be invalid.
- In **Split** mode, press the **MULTI PIC.** or **RETURN** button to quit. If you enter the menu by pressing the **MENU** button, it will exit the **Split** mode.

MULTI PICTURE FUNCTION

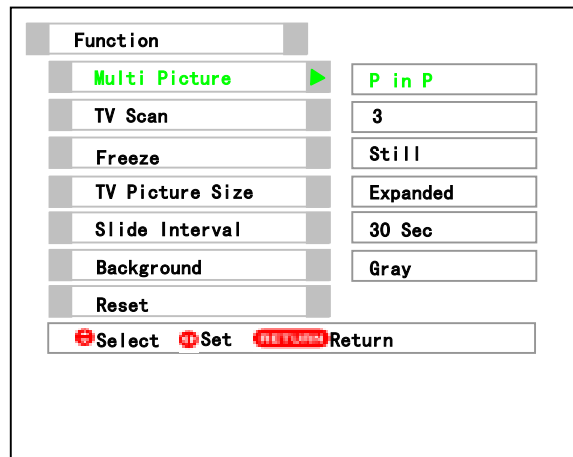
【P in P mode】

As indicated before (20 page) , entering menu to display the **Function** menu and then select the **P in P** option as shown on right.

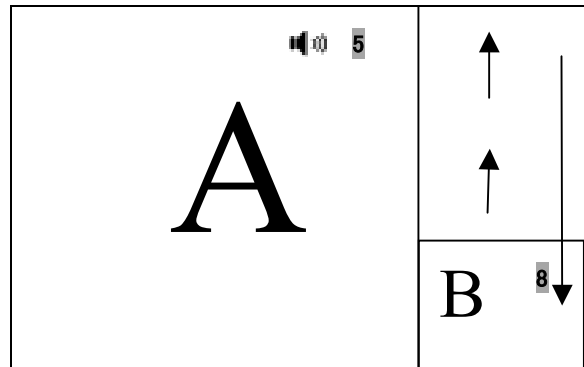
Press the   cursor buttons to set the **Multi Picture** option to **P in P** mode and then quit the menu.

- In normal TV mode, press the **MULTI PIC** button to enter the **P in P** mode.
- **P in P** will be various according to different signal format.

(1) While both the main picture and sub picture are RF or video or 525i component or 625i component signal, the display is in **P out P** mode as shown below.

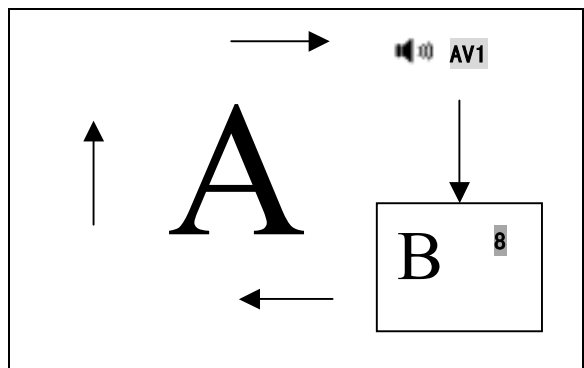


Notes: When entering this mode, press the **SWAP** button to switch between the two pictures, namely, the exchange of program sources of A, B pictures.



(2) While the main picture is receiving HD signal of 1125i format, the sub picture receiving RF or video or 525i component or 625i component signal, the display is in **P in P** mode as shown below.

Note: When entering this mode, press the **SWAP** button to switch to **P out P** mode. At one time, B picture won't display normally and the “!” will appear in B picture. This is normal.



MULTI PICTURE FUNCTION

- Once you have entered **P in P** mode, press the **A/B** button to select any one of the two pictures. A red trumpet symbol will appear on the selected picture to indicate as follows.
 - (1) The speaker on this set outputs the sound from the selected picture.
 - (2) **MONITOR OUT** jack output audio/video signals from the selected picture.
 - (3) **VARIABLE AUDIO OUT** jack output audio signal from the selected picture.
 - (4) The operations such as program selection etc. are valid for the selected picture. However, the program No. selected in one picture can not be the same as that in the other one. Otherwise, the “!**Not Available**” symbol will appear.

Notes:

When the **RECALL** button is pressed, A and B pictures will display their respective programs No. instantly, and the red trumpet symbol will appear on top of the selected picture momentarily.

- Press the **POSITION** button to move B picture to each corner on the screen in sequence as shown above. Don't fix the B picture on a particular corner of the screen for a long time.
- In **P in P** mode, press the **MULTI PIC.** or **RETURN** button to quit. If you enter the menu by pressing the **MENU** button, it will exit the **P in P** mode.

Notes:

Not all signal inputs are valid for **P in P** mode. Even if the signal may be displayed in TV mode before entering in **P in P** mode, it may not be displayed while in **P in P** mode. In this case, the hints will appear in picture where the signal are not available, namely, the “!**Invalid Signal**” symbol will appear in A picture, or the “!” symbol will appear in B picture. This is normal.

TV SCAN FUNCTION

The **TV Scan** function on this projection TV provides two modes, **3-picture** and **12-picture**. To use the **TV Scan** Function allows you to enjoy the programs conveniently and comfortably.

While in a normal TV mode, press the **TV SCAN** button to enter 3-picture or 12-picture.

【3-picture mode】

Follow the steps on page 20 to enter menu and then **Function** menu to select **TV Scan** option as shown on right.

Press the **◀ ▶** cursor buttons to set **TV Scan** to mode **3** and then quit the menu.

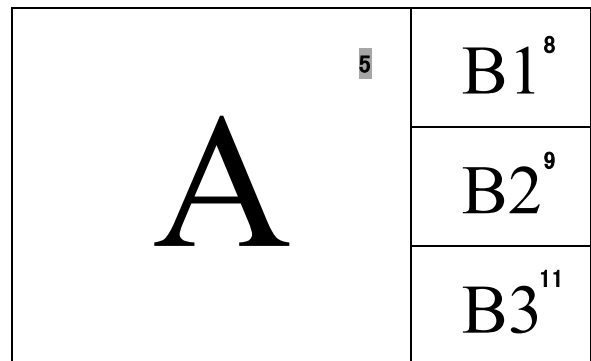
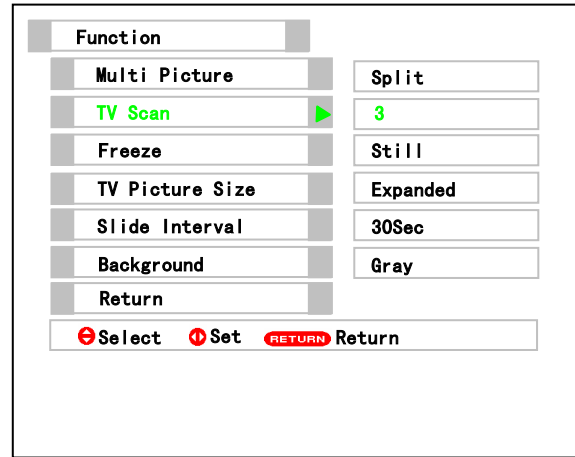
- While in a normal TV picture mode, press the **TV SCAN** button to enter **3-picture** mode as shown below.

A picture will display the current moving picture. The speaker, rear **VARIABLE AUDIO OUT** terminal output the sound from A picture. The **MONITOR OUT** terminal output audio/video signals from A picture.

B1, B2, B3 will display all the unset skipping program numbers starting from program No.0 in sequence every several seconds.

- While in this mode, press the program up/down buttons or program number buttons to select A picture. As to B group (B1, B2, B3) picture, press the **▲P+** **▼P-** buttons to select any one of the pictures among B1, B2 or B3 pictures. The color of program No. in the highlighted picture will change from white to green. At this point, press the **ENTER** button, the picture selected in B group will be switched to A picture.

- While in this mode, press the **TV SCAN** or **RETURN** button to quit. If you enter the menu by pressing the **MENU** button, it will exit 3-picture mode.
- In 3-picture mode, the **A/B**, **SWAP** and **POSITION** buttons are invalid.





Note: Not all signal inputs are valid for 3-picture mode. Even if the signal may be displayed in TV mode before entering 3-picture mode, it may not be displayed while in 3-picture mode. In this case, the hints will appear in pictures where the signal are not available, namely, the “! Invalid Signal” symbol will appear in A picture, or the “!” symbol will appear in B picture. This is normal.

TV SCAN FUNCTION





【12-picture mode】

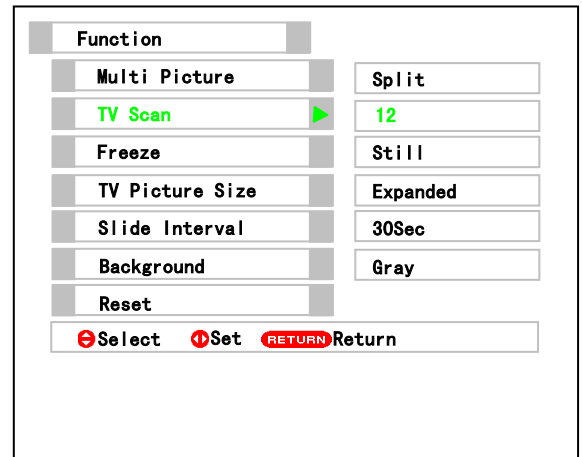
As indicated before (page 20), enter the menu and then **Function** menu to select the **TV Scan** option as shown on right.

Press the   cursor button to set the **TV Scan** option to mode **12**, then quit the menu.

- In normal TV mode, press the **TV SCAN** button to enter 12-picture mode as shown below.



The **12 pictures** will display individual program cyclically every several seconds starting from the number 0 except for those skipped program No. For example, if the preset channels are less than 12, the actual program numbers will be displayed. While the preset channels are more than 12, you can select the program by pressing the program up/down buttons.

- In this mode, you can press the     cursor buttons to select one of the pictures, and the program No. of the selected picture will turn from white to green. Then press the **ENTER** button to quit the mode, and the selected picture will fill the entire TV screen.
- In this mode, directly entering the program No. by using the number buttons will quit the mode. The selected picture will fill the entire TV screen.
- In this mode, no signal output is from speaker, **MONITOR OUT** and **VARIABLE AUDIO OUT** terminals.
- In this mode, press the **TV SCAN** or **RETURN** button to quit. If you enter the menu by pressing the **MENU** button, it will quit the **12-picture** mode.
- In this mode the **A/B**, **SWAP** and **POSITION** buttons are invalid.



1	2	3	4
5	6	7	8
9	10	11	12

The **Strobe** function shown as below:

As indicated before (page 20), enter the menu and then **Function** menu to select the **Freeze** option. Press the   cursor buttons to set the **Freeze** option to the **Strobe** and then quit the menu.

- In normal TV mode, press the **FREEZE** button to enter **12-picture** mode automatically. The 12th picture will display the current moving picture. 11 continuous frozen pictures will display respectively in the other 11 pictures when the **FREEZE** button is pressed. This function is not valid for all of input signal formats. When “! Not Available” appears, it is invalid.
- In this mode, press the **RETURN** or **FREEZE** button to quit the **12-picture** mode.
- In this mode, displaying the menu by pressing the **MENU** button will quit the **12-picture** mode.
- At this moment, the **MONITOR OUT** terminal on the TV will output the audio and video signal from the current moving picture while the **VARIABLE AUDIO OUT** terminal will output the audio signal from it.
- In this mode, **A/B**, **SWAP** and **POSITION** buttons are invalid.

TELETEXT

Name of buttons	Operation
TV/TEXT	Switches the receiver between TV mode and TELETEXT mode.
INDEX	Selects the index page.
SUB	Allows receiving of a sub page. The sub page number and the color key will be displayed.
RED GREEN YELLOW BLUE	Each of these buttons select a link page displayed on the lower part of the screen.
U.N.L	Changes the screen display mode through the following. <ul style="list-style-type: none"> •upper half screen enlarged •lower half screen enlarged •normal state
HOLD	Holds the page currently being displayed on the screen. Instead of the number, 'HOLD' indicator appears at the top left of the screen. Press this button again to release the hold state.
REVEAL	Allows hidden information (found on some teletext pages) to be displayed on the screen.
PAGE ▲ / ▼	Increase/ decrease the page number.
CANCEL	This button is used to return the screen to the TV mode temporarily while the TV is searching a required text page. Press this button again to display the teletext screen.
MODE	This button is used to switch between FASTEXT and LIST mode. FASTEXT is to link the four 'prompt' information at the lower part of the screen, represented by the four colors which match the color buttons on the remote control.

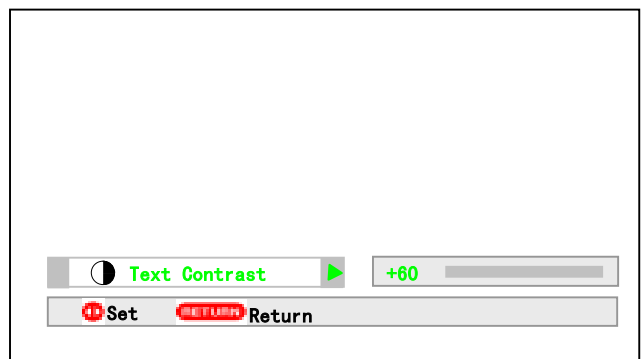
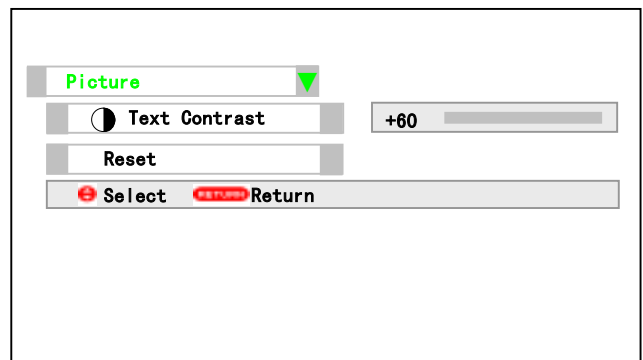
TO ADJUST THE TELETEXT CONTRAST

While in TELETEXT mode, press **MENU** button to display the menu as shown on page 16, and press the ▲ ▼ cursor buttons to highlight **Picture** option, then press **ENTER** button to display **Picture** menu as shown on right.

Press the ▲ ▼ cursor buttons to highlight the **Text Contrast** option, then press ◀ ▶ cursor buttons to adjust the contrast (as shown on right).

While in TELETEXT mode, the TV will quit the TELETEXT mode when accessing any one of the options (**Audio**, **Timer**, **Setup** and **Function**) on the menu.

This TELETEXT function is available for languages using romanized alphabets such as English, etc. for broadcasting.



OTHER FUNCTIONS

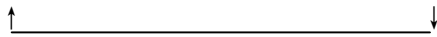
SRS button

Press **SRS** button to turn **SRS** on or off.
 This function is valid only for stereo signal source.

AUDIO button

Press **AUDIO** button to switch the sound mode as shown below.

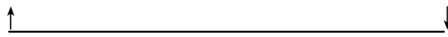
Theater → Music → Narration → Favorite



PICTURE button

Press **PICTURE** button to switch picture mode as shown below.

Dynamic → Natural → Theater → Favorite

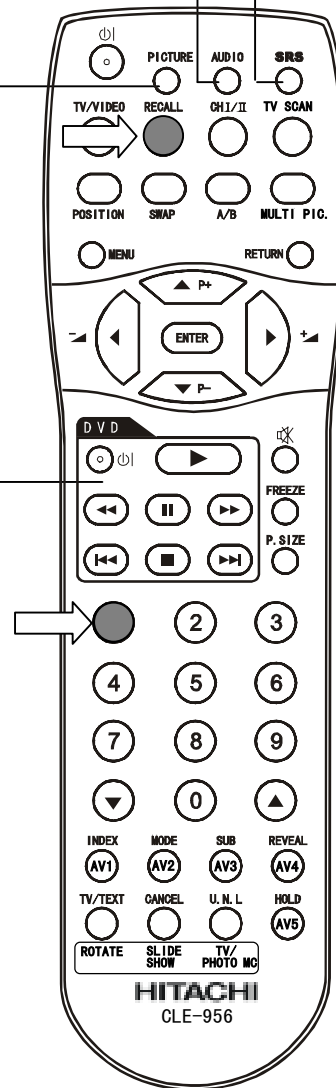


DVD button

With this remote control unit, you can operate selected brand of DVD players by pressing the following buttons Simultaneously.

Eg. To operate HITACHI DVD player, press and hold the **RECALL** button, followed by the ① button as shown on right.

Brand	Button
HITACHI	RECALL , ①
PIONEER	RECALL , ②
PANASONIC	RECALL , ③
TOSHIBA	RECALL , ④
PHILIPS	RECALL , ⑤
JVC	RECALL , ⑥
SAMSUNG	RECALL , ⑦
SONY	RECALL , ⑧
RCA	RECALL , ⑨
MITSUBISHI	RECALL , ⑩
ONKYO	RECALL , INDEX
ZENITH	RECALL , MODE
ORITRON	RECALL , SUB
SKYWORTH	RECALL , REVEAL
BBK	RECALL , TV/TEXT
SHINCO	RECALL , CANCEL

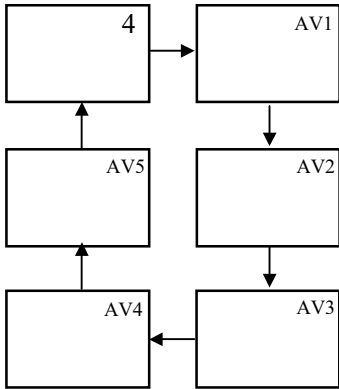


Note: Not all models of the listed brand can be operated using this remote control unit.

OTHER FUNCTIONS

TV/VIDEO Button

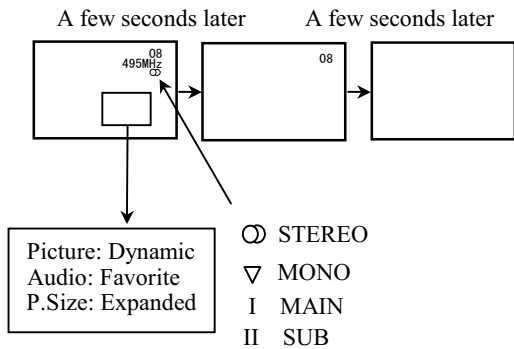
Press **TV/VIDEO** button to switch the input mode. See below.



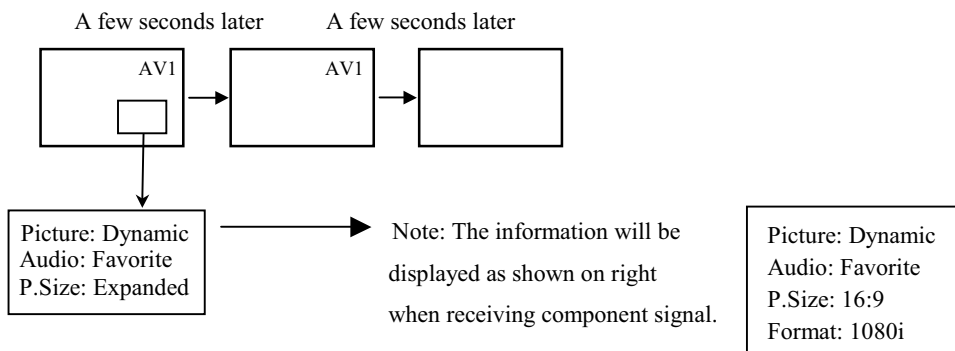
RECALL button

Press the **RECALL** button to display the program No. or AV No. and related information. Press the button again, the display will disappear.

When receiving in the TV mode, press the button.

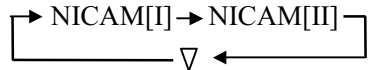


When receiving in the AV mode, press the button:

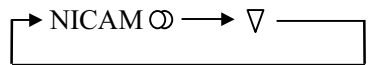


CH I/II button

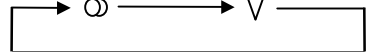
Mode will exchange among I (Main), II (Sub) and FM (MONO) when bilingual broadcast is being received.



When a stereo broadcast is being received, mode will exchange between STEREO and MONO.

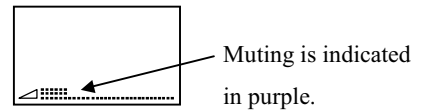


When A2 stereo broadcast is being received, mode will exchange between A2 stereo and MONO.



Mute button

The sound is muted by pressing button. To release the muting by pressing button again or pressing **Volume Up** button.



P.SIZE button

Press the **P.SIZE** button to switch the aspect mode. See the next page in detail.

AV DIRECT SELECTOR buttons



Press the AV1-AV5 buttons to select one of them directly.

OTHER FUNCTIONS

ASPECT MODE

You may set different aspect modes to view the image with different formats of signals.

【When conventional TV broadcast (RF) signal is inputted:】

Follow the steps on page 20 to enter the menu, then access the **Function** menu and highlight the **TV Picture Size**, then press the   cursor buttons to change between three different modes including 《16:9》, 《4:3》 and 《Expanded》.

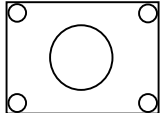

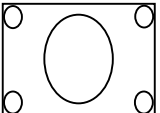
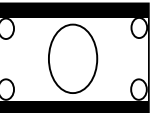
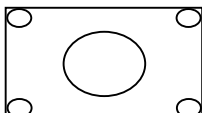
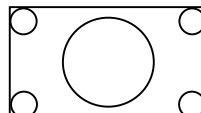
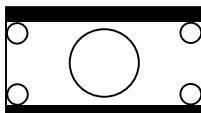
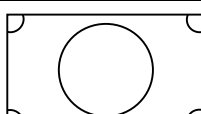
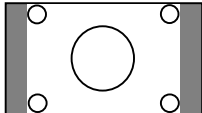
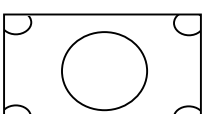
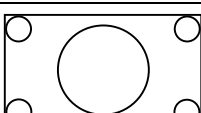
Notes:

- This function is available for conventional TV broadcast (RF) signal input. When other non RF signals are input, this function is not available and the size of the picture may not vary though **TV Picture Size** can be set. This is normal.
- If the **P.SIZE** button is pressed, the aspect modes will switch between six different modes including 《16:9》, 《16:9Zoom》, 《4:3》, 《Expanded》, 《4:3Zoom1》 and 《4:3Zoom2》, which may greatly vary the size of picture.
- In 《16:9》, 《16:9Zoom》, 《4:3》, 《Expanded》, 《4:3Zoom1》 or 《4:3Zoom2》 mode by pressing **P.SIZE** button, the aspect mode will automatically return to the mode that you set in **TV Picture Size** option after completing the program selection or restarting the TV.




【When video, s-video or non HD component signal is inputted:】

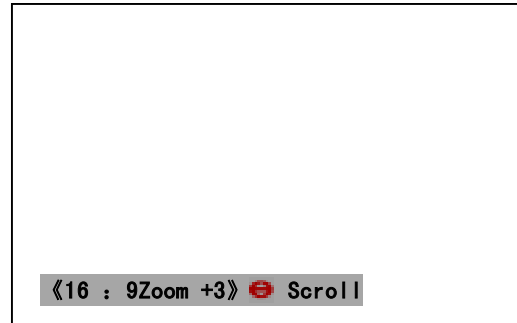
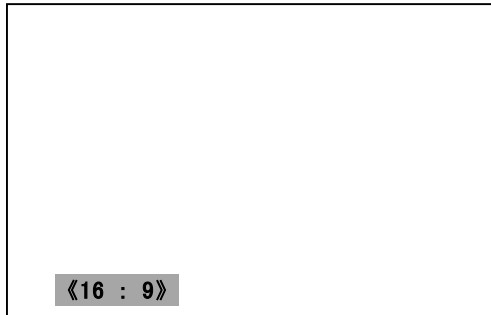
Press the **P.SIZE** button to switch between six different modes including 《16:9》, 《16:9Zoom》, 《4:3》, 《Expanded》, 《4:3Zoom1》 and 《4:3Zoom2》.

Please see the following on each of six modes.

		Signal sources			
		For example: Conventional TV broadcast format 	For example: 16:9 widescreen cinema 	For example: signal transformed from HD 	For example: signal transformed from HD 
Suggested aspect mode	《16 : 9》				
	《16 : 9Zoom》				
	《4 : 3》				
	《Expanded》				
	《4 : 3Zoom1》				
	《4 : 3Zoom2》				

OTHER FUNCTIONS

- To switch aspect mode, please press the **P.SIZE** button when the word showing the corresponding aspect mode will appear momentarily at the lower part of the screen. For example, set the current aspect mode to 《16:9》 as shown at the lower left side. If 《16:9 Zoom》 is set as shown at the lower right side, you can press the   cursor buttons to adjust the display position up and down before the words “《16:9Zoom +3》  Scroll” disappear as shown at the lower right side. Likewise, the function is available in 《4:3Zoom1》, 《4:3Zoom2》 or 《Expanded》 mode.



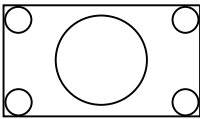
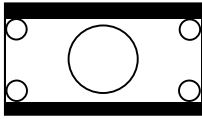
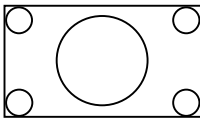
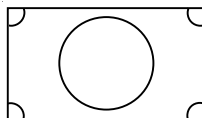
- Press the **P.SIZE** button, the aspect mode will be reserved in 《16:9》, 《16:9Zoom》, 《4:3》, 《Expanded》, 《4:3Zoom1》 or 《4:3Zoom2》 mode after completing the program selection or restarting the TV.

【When HD component signal is inputted:】

Press the **P.SIZE** button to switch between two different modes including 《16:9》, 《16:9Zoom》.

The aspect mode will return to the mode of 《16:9》 after completing the program selection or restarting the TV.

Please see the following for details on each of two modes.

		Signal sources	
		HD Signal	HD Signal
Suggested aspect mode	《16 : 9》		
	《16 : 9Zoom》		

Notes:

- In multi picture, pressing the **P.SIZE** button is not available.
- Please note, do not watch TV at non full screen size for a long time, this may cause remain picture.
- Using this special function (aspect mode) to change the size of image displayed for purpose of public release or some commercial interests (i.e., change the ratio of height and width), this may infringe the law of copyright.

OTHER FUNCTIONS

PHOTO MC(memory card) FUNCTION

Precautions before using

1. A memory card is a small storage card used to store data such as photos, for use on digital camera, etc. The commonly used memory cards include the MS card, the CF card, the SM card, the SD card, etc. The Photo MC function allows you to review the still images stored in the Photo MC on your TV set.
2. To activate the Photo MC function, a memory card and the corresponding PC card adapter are necessary. See ADDENDA for details of memory card and adapter compatible with your TV.
3. This TV is not supplied with the memory card and the corresponding PC card adapter. The customers should purchase them by themselves.

Usage

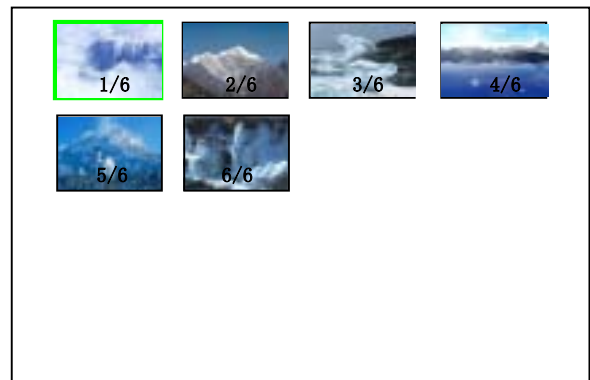
1. Please turn off the power switch or set the TV in standby before using the Photo MC function, and open the door to Photo MC adapter slot at the front panel.
2. Follow steps on page 10, insert the memory card into the corresponding PC card adapter, then plug the adapter into the Photo MC adapter slot on the TV.
3. Turn on the power switch.
4. If the Photo MC is in normal state, the Photo MC status indicator will illuminate after a few seconds.
5. How to use the Photo MC function .

1) PHOTO BROWSE

Press the **TV/PHOTO MC** button to change the TV from TV mode to Photo MC display mode. The first sixteen photos are shown on the screen. (If the photos stored in the memory card are less than 16, the TV will display the actual number of photos). Highlight one of the sixteen photos using the **▲ ▼ ◀ ▶** cursor buttons (or number buttons), the frame of the highlighted photo is indicated in green. Press the **Page up/down** buttons to show another stage of photo display. If the photo desired to browse is highlighted, press the **ENTER** button to display the highlighted photo as shown at the lower right side, and the related information of this photo will appear at the lower right corner of the photo. For example, the information of this photo indicates as follows:

No. 1/6: There are six photos in total, this is the first one.
03/05/28: May 28, 2003
1600×1200: Pixels :1600×1200

When browsing a photo in full screen (shown on right), you may switch the photo using the **▲ ▼** cursor buttons, the **Page up/down** buttons or number buttons at this time. If you press the **ENTER** button, it will return to 16-photo mode.



While displaying the photo, press the **TV/PHOTO MC** button to switch from Photo MC mode to TV mode.

2) ROTATE FUNCTION

- (1) While displaying one photo in full screen, press the **ROTATE** button to rotate the photo among 0°, 90°, 180°, 270°.
- (2) While in 16-photo mode, select the photo you wish to rotate and press the **ROTATE** button to display a « ↻ 0 » at the left corner, then select the degrees you wish to rotate (0°, 90°, 180°, 270°) when none of the sixteen photos rotates and a mark « ↻ » appears in the photo to be rotated. Finally, press the **ENTER** button to display the rotated photo.

OTHER FUNCTIONS

3) SLIDE SHOW FUNCTION

- (1) Follow steps on page 21 to set **Slide Interval** among **5 Sec**, **10Sec** and **30Sec**.
- (2) In 16-photo mode or one photo in full screen, press the **SLIDE SHOW** button to scroll starting from the first photo at fixed slide intervals.
- (3) Press the **ENTER** button to stop slide show, and a **ENTER Start** will appear at the lower left side, at this time, if it is not operated within one minute, the TV will return to slide show mode automatically.
- (4) After finishing slide show of photos, the TV will return to 16-photo mode.
- (5) In the process of slide show, **Rotation** function is not available. Press the **TV/PHOTO MC** button to change from slide show mode to TV mode.

6. Exit

If you want to exit the Photo MC and adapter, please turn off the power switch or place the TV into standby mode. Press the exit button to quit. The memory card may be damaged if the above procedures are not performed.

Remarks:

- (1) While in Photo MC mode, a “! No Memory Card” will appear if the memory card is extracted or not connected properly.
While in TV mode, the screen will display gray or black background set in the **Function** menu and a “! No Memory Card” will appear on the screen by pressing the **TV/PHOTO MC** button if the memory card is not inserted.
- (2) While in Photo MC mode, the optional picture modes are only **Favorite (MC)** or **Dynamic (MC)**.
- (3) While in Photo MC mode, the TV will quit Photo MC mode automatically when entering the **Audio**, **Timer**, **Function** or **Setup** menu.
- (4) While in Photo MC mode, the TV will automatically reduce the contrast and color setting value of the photo displayed if it is not operated for more than three minutes.
- (5) While in Photo MC mode, multi picture, TV scan, freeze and aspect mode functions are not available.
- (6) The TV can display 500 photos at most.
- (7) Do not turn off the TV when the Photo MC indicator is flickering, or else, the memory card may be destroyed.
- (8) When the Photo MC indicator is flickering, indicating that the data in memory card is being read. At this time, do not operate the Photo MC function of the TV.

Explanations:

- (1) It is recommended that the digital pictures from Digital Camera and not edited on computer be used.
- (2) Photos named on a computer and storage rule:
 1. Photo file names should be 8 characters (EX.ABCD1234.jpg), 1st character: letters; 2nd to 4th: letters or numbers; 5th to 8th: numbers.
 2. Photo files should be first placed on a sub directory name with 8 characters (EX.123ABCDE), 1st to 3th: numbers; 4th to 8th letters.
 3. The sub directory then should be placed on a main directory with a “DCIM” file name format.
- (3) Supported image types are from VGA (640×480) up to UXGA (1600×1200), JPEG format should conform with DCF standard.
- (4) The TV can display only digital pictures from Digital Cameras which meet DCF Standard. Edit those pictures on a computer may cause that those pictures can not be displayed on the TV Set.
- (5) Refer to ADDENDA for the adapter and memory card compatibility.

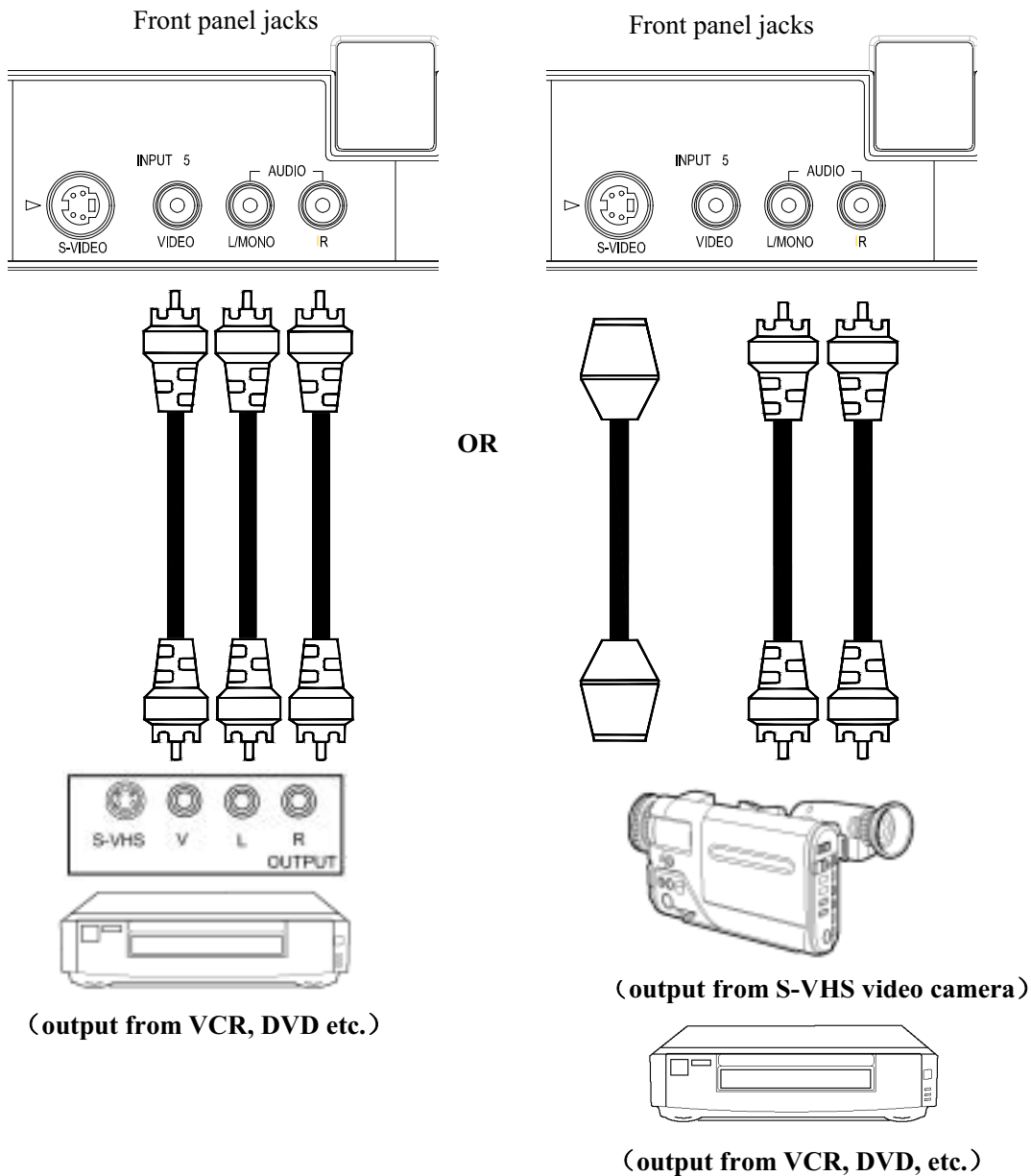
Information display

Memory Card	Photo MC status indicator	On-Screen Display
Accessing	blinking	
Normal	always on	
Not insert Card	always off	!No Memory Card
Not available format	always off	!Invalid Memory Card
No File	always off	!No File

CONNECTION WITH OTHER EQUIPMENT

Jacks and connections of front panel

Front panel jacks are provided as a convenience to allow you to easily connect a camcorder or VCR as shown in the following examples:

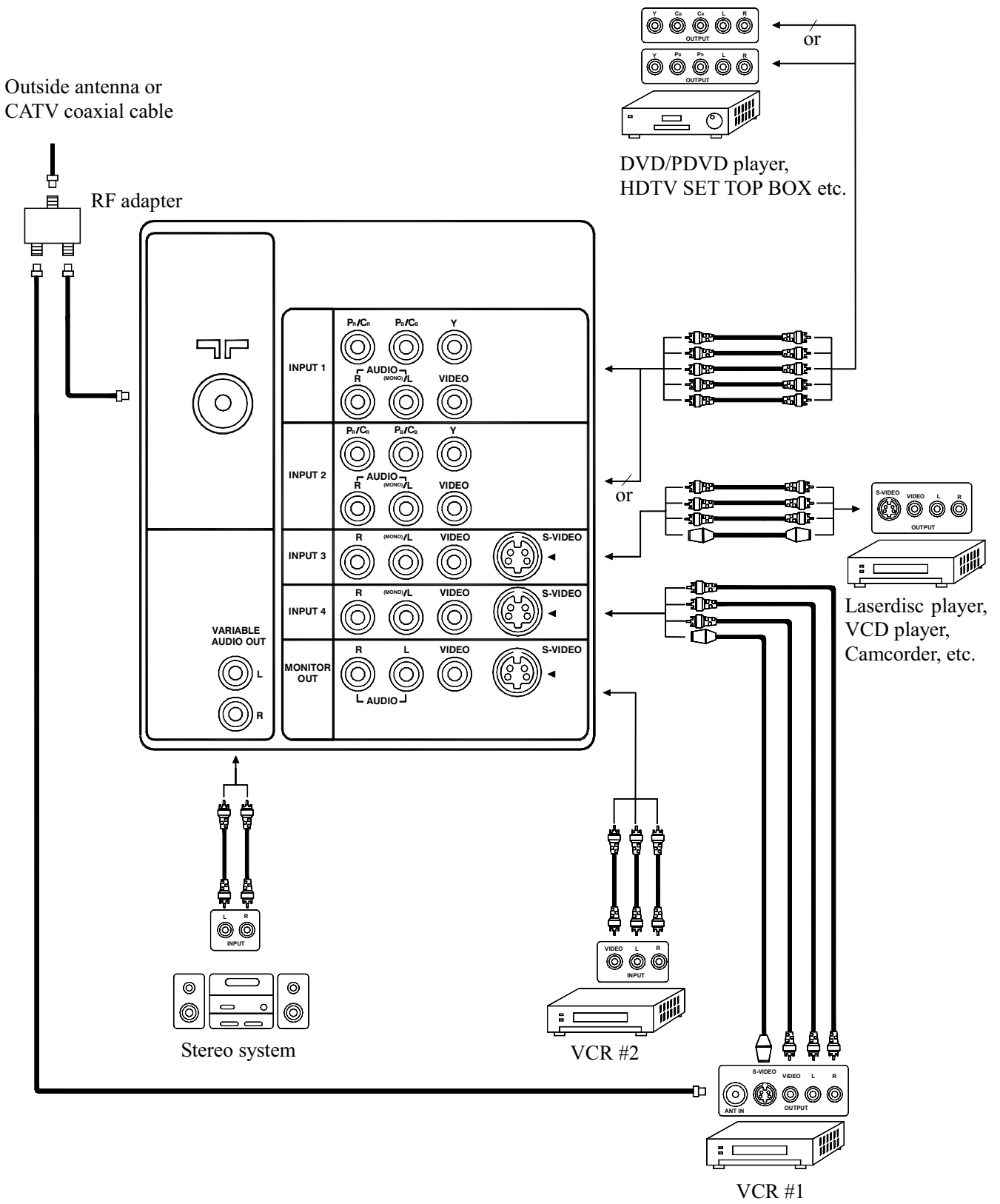


Notes :

1. Insert connection cord plugs completely when connecting to front jacks and ensure that they are properly connected. S-VIDEO and VIDEO input jacks at the front panel can't be used at the same time, or else, the picture may be abnormal. Thus, before you connect the cable to S-VIDEO jack, please check that VIDEO jack is not connected. As well, before you connect the cable to VIDEO jack, please check that S-VIDEO jack is not connected.
2. If you have equipment with S. VIDEO output, please use S. VIDEO cable instead of the standard video cable.
3. If you have a mono sound only, please insert the audio cable into the left audio jack (L/MONO).

CONNECTION WITH OTHER EQUIPMENT

Jacks and connections of real panel



CONNECTION WITH OTHER EQUIPMENT

About the jacks and connections of rear panel:

1. Refer to the operation manual of your electronic equipment for additional information on connections.
2. Connect only 1 device to each input jacks.
3. If your device has only one audio output (mono sound), please connect it to the left channel jack (MONO/L).
4. Audio and video signal from the same source should be connected to the same group of terminals. Don't mix them.
5. Component terminals (Y, P_B/C_B, P_R/C_R) in INPUT1 and INPUT2 are used to connect DVD/PDVD outputs and HDTV SET-TOP BOX, etc. INPUT1 and INPUT2 terminals, video input is included that can be used as the standard video terminal.
However, Y, P_B/C_B, P_R/C_R terminals and VIDEO terminal in INPUT1 can't be used together, or else, the picture may be abnormal.
When Y, P_B/C_B, P_R/C_R terminals and VIDEO terminal in INPUT2 are used together, the TV will receive signals from Y, P_B/C_B, P_R/C_R terminals.
When you use Y, P_B/C_B, P_R/C_R terminals to connect signals, press the **RECALL** button on the remote control unit to show the characters **COMPONENT** and **AV1** or **AV2** at the top right corner of the screen, which reminds you that you are using component terminals to receive signals. However, when you use VIDEO terminal instead of Y, P_B/C_B, P_R/C_R terminals to input video signal, only the character **AV1** or **AV2** will appear at the top right corner of the screen.
6. If your device has s-video signal output, please use s-video signal instead of the standard video signal.
If there are signals input from the same group of S-VIDEO and VIDEO terminals on the rear terminal panel, the set will receive signal from S-VIDEO and the character **S** and **AV3** or **AV4** will appear at the top right corner of the screen by pressing the **RECALL** button, which indicates that you are using S-VIDEO terminal to receive signals.
7. VIDEO MONITOR OUT jack outputs video signal inputting from RF, S-VIDEO or VIDEO terminal to external equipment for observation and use. When receiving component signals (Y, P_B/C_B, P_R/C_R) in INPUT1 or INPUT2, there are no output from VIDEO MONITOR OUT terminal. This is normal.
8. S-VIDEO MONITOR OUT jack outputs s-video signal inputting from S-VIDEO terminal to external equipment for observation and use. When receiving signals from RF, VIDEO and Y, P_B/C_B, P_R/C_R terminals, there are no output from S-VIDEO MONITOR OUT terminal.
9. VARIABLE AUDIO OUT jacks provide variable audio level output to external stereo system with this connection. The audio level to the stereo system can be controlled by the set's volume. Please refer to the related items on page 31.

ADDENDA

A guide to simple problem solving

- Before calling service personnel, please check the following chart for a possible cause to the trouble you are experiencing.

Symptom	Possible reason
No picture,no sound,power/standby indicator is OFF.	• Power cord is not plugged in.
No picture,no sound,power/standby indicator is ON.	• TV in standby mode.
No sound	• Volume control set to minimum. • In Setup menu, Speaker option is set to Off .
Twist image and poor sound	• The antenna signal is too weak or too strong. • TV not tuned correctly.
Poor brightness, color or tint	• May be the misadjustment for contrast, brightness, color and tint.
Snowy picture	• Interference from motorcycles, high-tension line, electric hair drier, personal compute and radio station.
Ghosts	• Check if the direction, height or position of the antenna has changed.
No color	• The antenna signal is too weak. • Color System, Sound System is not set properly.
Remote controller does not work.	• The batteries in the remote controller may be exhausted. • The batteries may be improperly installed. • Check that there is no obstruction between the remote control and the TV.

HITACHI Projection Television incorporates advanced power surge protection technology designed to protect against component or circuit damage due to external or internal power surges.

If your TV should appear to have **A LOSS OF POWER**, please follow this procedure:

1. Press the **Power ON/OFF** switch once.
2. If there is still no power, wait 30 seconds and press the **Power ON/OFF** switch again.
3. If there is still no power, unplug the power cord from the wall. Wait 30 seconds and plug the power cord back in. Press the **Power ON/OFF** switch again.

The protective technology should provide for years of lasting entertainment from your HITACHI Projection Television.

The following phenomena are not failures:

- (1) The cabinet clicks, The clicking is a creaking sound produced when the cabinet expands or contracts due to changes in the temperature.
- (2) The TV set can generate sound distortion in external devices such as a radio. Please separate radio equipment from the TV set to a considerable distance.

Accessories

No.	Description	Quantity	C50-LD7000	C60-LD7000
1	Instruction manual	1	yes	yes
2	Remote control unit	1	yes	yes
3	Battery	2	yes	yes
4	Antenna adapter	1	yes	yes

ADDENDA

Photo memory card (MC) and adapter

It is recommended to use the following memory cards and adapters compatibility.

Media	Capacity (MB)	Name	Maker	Adapter (See chart below)
CF	8	EC-8CF	SanDisk	E,F,G
	32	SDCFB-32-801	SanDisk	E,F,G,H
	32	PCCF-H32MS	IODATA	E,F
	64	PCCF-H64MS	IODATA	E,F
	64	TC064MS	TDK	E,F,G
	64	SD064-xxx	LEXAR	F,G,H
	128	SDCFB-128-801	SanDisk	E,F
	256	RCF-X	BUFFALO	
	512	SDCFB-512	PNY	F,G,H
	1K	SDCFB-1000-801	SanDisk	E,F,G,H
SM	16	MG-16SW	FUJIFILM	A,B,C,D,I,J,P
	32	K9S5608VOA	IODATA	A,B,D,I,P
	32	SDSM-32	SanDisk	
	64	SDSM-64	SanDisk	
	64	SM064-231	LEXAR	C,D,J,K,P
	128	SDSM-128	SanDisk	A,B,C,D,I,J,K,P
	128	P-SF3128-RF	PNY	C,D,J,K,P
	128	SND5CT0501	BUFFALO	A,B,C,D,I,J,P
SMMC	32	HB288032SM1	HITACHI	A,B,C,D,N,O
	64	HB288064SM1	HITACHI	
xD	128	MXD128P3	Olympus	P
	256	DPC-256	FUJIFILM	P
SD	8	RP-SD008B	Panasonic	A,B,C,D,N,O
	16	SD-M16	TOSHIBA	C,D,N
	32	RP-SD032	Panasonic	A,B,C,D,N,O
	64	RP-SD064B	Panasonic	A,B,D,O
	64	SD-M64	TOSHIBA	A,B,D,O
	64	RSDC-064	BUFFALO	A,B,D,O
	64	HPC-SD64M	HAGIWARA	A,B,D,O
	64	PCSD-64MS	IODATA	A,B,C,D,O
	64	SD064-231	LEXAR	C,D,N
	128	SD-M128	BUFFALO	A,B,C,D,O
	128	HPC-SD128M	HAGIWARA	
	128	P-SD128-RF	PNY	C,D,N
	256	RP-SDH256	Panasonic	A,B,C,D,O
	256	SDSDB-256-768	SanDisk	C,D,N
	512	RP-SDH512	Panasonic	

ADDENDA

(Contd.)

Media	Capacity (MB)	Name	Maker	Adapter (See chart below)
MMC	16	PCMMC-16MS	IODATA	A,B,C,D
	16	HB288016MM1	HITACHI	A,B,C,D,O
	32	PCMMC-32MS	IODATA	A,B,C,D,N,O
	32	SDMB-32-472	SanDisk	A,B,D,O
	32	HB288032MM1	HITACHI	A,B,D,O
	64	SDMB-64	SanDisk	C,D,N
	64	MMC064-231	LEXAR	C,D,N
	128	HB28B128MM2	IODATA	
MS	4	MSA-4A	SONY	A,B,C,D,L,M
	32	MSA-32A	SONY	
	64	MSA-64A	SONY	A,B,C,D,L,M
	64	SDMS-64	SanDisk	
	64	MS064-281	LEXAR	C,D,L,M
	64	MSR-64A	IODATA	A,B,C,D,L,M
	128	MSA-128A	SONY	A,B,C,D,L,M
	128	SDMS-128	SanDisk	A,B,D,L,M

Adapters Chart

Type	Name	Mark
LMC-CA41AD(4in1)	LOGITEC	A
PC4in1-ADP(4in1)	IODATA	B
4-in-1PC Card Adapter(4in1)	SanDisk	C
4in1 Card Adapter(4in1)	Dazzle	D
PCCF-ADP(CF)	IODATA	E
ADT-N-FS(CF)	COMPUSA	F
CF PC Card Adapter(CF)	SanDisk	G
CF Adapter (CF)	Dazzle	H
PCFDCIV-ADP(SM)	IODATA	I
SM PC Card Adapter(SM)	SanDisk	J
SM Card Adapter(SM)	Dazzle	K
MSAC-PC2(MS)	SONY	L
MSAC-PC3(MS)	SONY	M
PC CardAda SD/MMC(SD/MMC)	SanDisk	N
BN-SDAAP3(SD/MMC)	Panasonic	O
MAPC-10(SM/xD)	Olumpus	P

Note: Do not insert the MicroDrive card (the same size as CF card) into the adapter for use, or else, it will damage the MicroDrive card.

LAMP REPLACEMENT

Lamp Life

The lamp life may vary based on usage of the LCD Rear PTV. Turning on and off frequently may shorten the life of the lamp

Lamp Replacement

After extended use, if the TV picture turns dark, the color looks unusual or **LAMP INDICATOR** turns on, then it is time to replace the lamp with a new lamp. **When replace a new lamp, please ask a service technician of Hitachi to replace the lamp.**

WARNING:

The lamp gets very hot! The lamp may explode if improperly handled. To avoid injury, please observe the following precautions.

- Do not open lamp compartment or attempt to remove lamp assembly unless the lamp assembly is being replaced.
- Unplug the product's power cord from the AC outlet before attempting to replace the lamp assembly.
- If the lamp is in use when failure occurs or if the lamp has exploded, wait at least 30-45 minutes for the lamp to cool before opening the lamp compartment or touching the lamp assembly or any broken pieces.
- Broken lamp pieces can cause injury. Handle with gloves to avoid cuts.
- Do not place any foreign objects inside the lamp compartment.
- When installing a new lamp, follow handling instruction included with the new lamp. Do not touch glass surface of new lamp.
- The lamp in this product contains Mercury. Obey local ordinances when disposing of used lamps. In most case, it is possible to dispose of used bulbs in the same manner as used glass bottles, but in some cases, bulbs are sorted separately.

CAUTION!

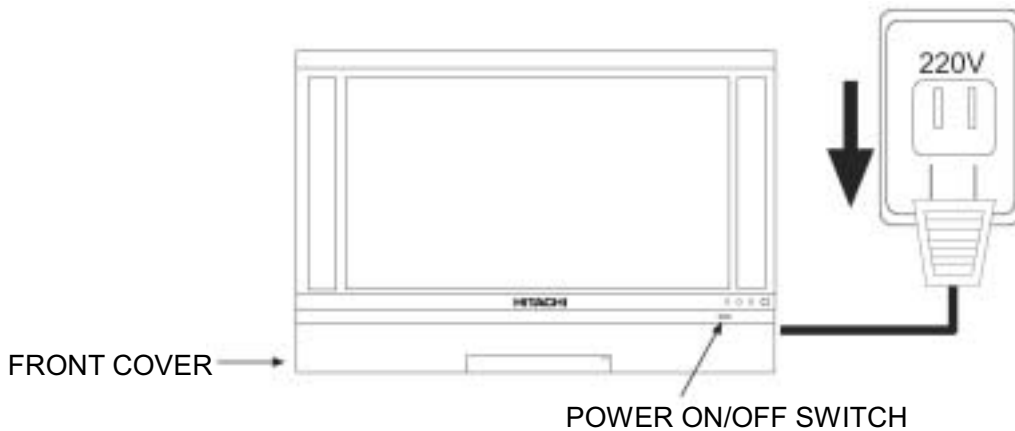
A "TEMP" indicator will light when lamp becomes hot. Unplug product's power cord from the AC outlet and allow lamp to cool for at least 30-45 minutes. If "TEMP" indicator is still lit, please with the service center contact authorization by Hitachi.

NOTES:

- Contact your Hitachi service center for a new unit. Using other lamps may cause damage to the TV Set.
TYPE NAME: LC3M LAMP ASSEMBLY
PART NUMBER: DP00662
- When replacing the lamp, let it cool down completely, for approximately 30 to 45 minutes after the power has been switched off and A.C. cord has been unplugged.
- Do not touch the glass of the new lamp or make it dirty which can shorten the life of the lamp and reduce the picture quality
- Keep the lamp out of the reach of children and away from flammable materials.
- Do not pour water onto the removed lamp or put any object inside the lamp.
- Once the lamp is removed, do not put flammable materials and metal objects inside the lamp receptacle on the TV set. Do not touch the receptacle.
- Install the new lamp securely, otherwise the picture may become dark or it may cause severe overheating.
- Install the lamp cover correctly, otherwise power will not come on.
- The lamp in this product contains Mercury. Obey local ordinances when disposing of used lamps. In most case, it is possible to dispose of used bulbs in the same manner as used glass bottles, but in some cases, bulbs are sorted separately.

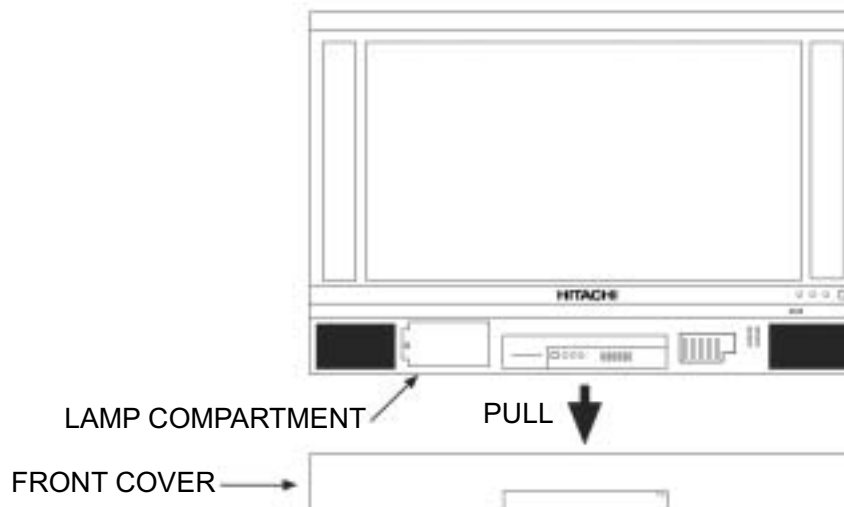
LAMP REPLACEMENT

1. Turn off the main power switch and unplug the power cord. Wait at least 30 minutes to allow the lamp to cool down before replacing.



NOTE: THE LAMP IS VERY HOT AND MAY CAUSE FIRE OR SEVERE BURNS. WAIT AT LEAST 30~45 MINUTES TO ALLOW THE LAMP TO COOL BEFORE PROCEEDING WITH LAMP REMOVAL.

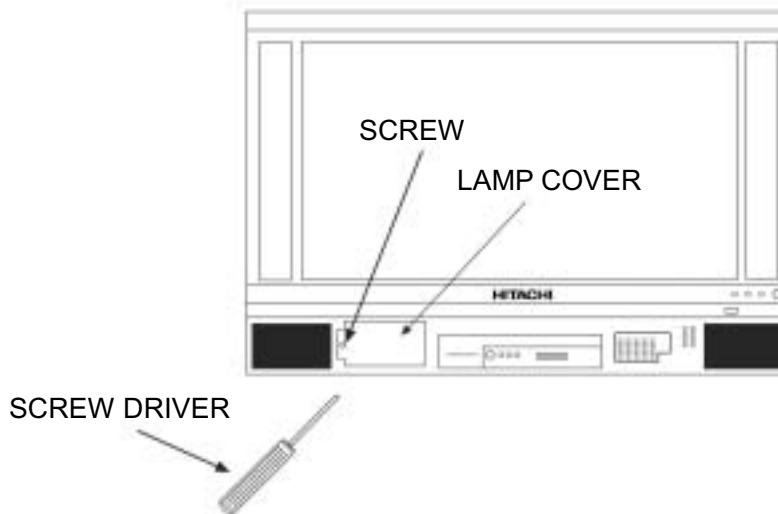
2. Remove the front cover from the TV set. This is held by a snap on. Pull the front cover outwards until the quick snap on disengages.



NOTE: The lamp in this product contains Mercury. Obey local ordinances when disposing of used lamps. In most case, it is possible to dispose of used bulbs in the same manner as used glass bottles, but in some cases, bulbs are sorted separately.

LAMP REPLACEMENT

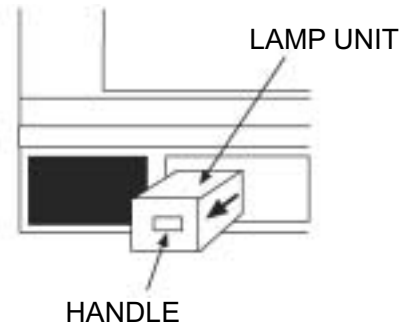
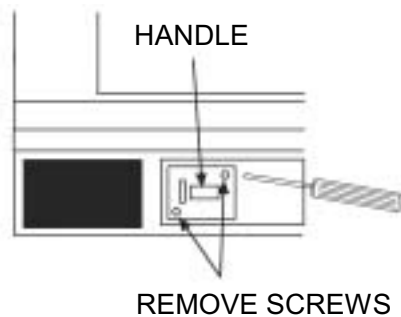
3. Remove the screw securing the lamp cover with a screw driver as shown. Remove the lamp cover.



NOTE: THE LAMP IS VERY HOT AND MAY CAUSE FIRE OR SEVERE BURNS. WAIT AT LEAST 30~45 MINUTES TO ALLOW THE LAMP TO COOL BEFORE PROCEEDING WITH LAMP REMOVAL.

4. Remove the two screws that hold the lamp in place. Remove the lamp unit by holding the lamp handle, then pulling outwards. Exercise caution when removing the lamp unit to avoid injury to your fingers.

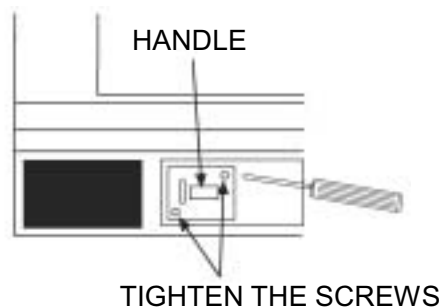
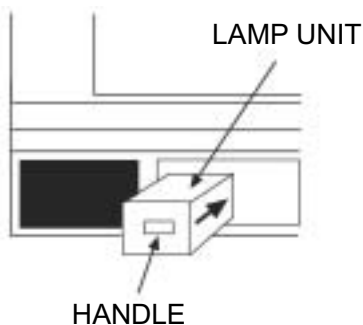
NOTE: DO NOT PUT YOUR HAND IN THE LAMP STORAGE AREA AFTER THE LAMP UNIT IS REMOVED. YOU MAY GET BURNED.



5. Replace with the new lamp.

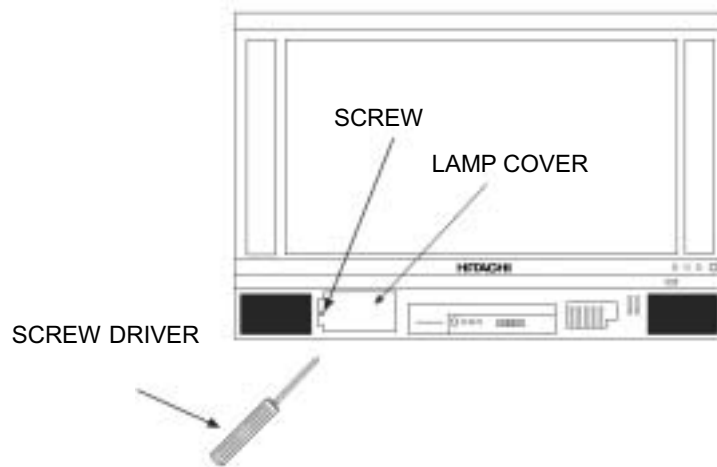
Place the removed lamp into the empty box of the replacement lamp. Do not touch the front glass of the new lamp or receptacle. This may shorten the life of the lamp and reduce the picture quality.

- Push the lamp unit back to its original position.
- Tighten the screws firmly on the lamp unit. If they are loose, the TV may not operate correctly.



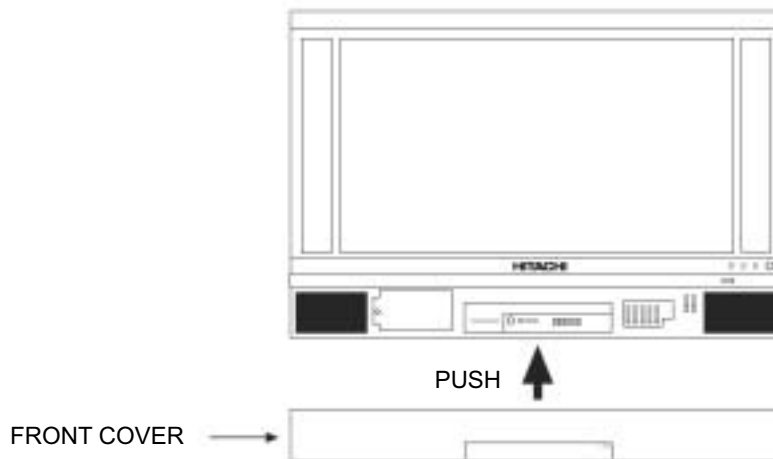
LAMP REPLACEMENT

6. Without installing the lamp cover, the power will be off and the lamp Indicator will flash. Be sure to install the lamp cover by re-engaging the two clips and tighten the screws before turning the power on, otherwise it may cause unusual colors.

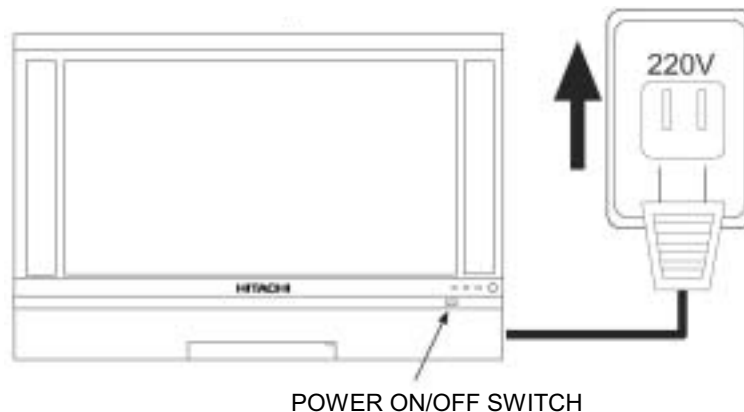


NOTE: IF POWER IS CONNECTED BEFORE THE LAMP COVER IS INSTALLED, THE POWER WILL BE OFF AND THE LAMP INDICATOR WILL FLASH.

7. Install the front cover as show below. Put the front cover back in and align the snap on quick connect then push inwards holding the left and right side of the front cover until you hear a snap. Push the other snap on gently to make a good fit.



8. Plug power cord into AC outlet and turn on the main power switch.



NOTE: The lamp in this product contains Mercury. Obey local ordinances when disposing of used lamps. In most case, it is possible to dispose of used bulbs in the same manner as used glass bottles, but in some cases, bulbs are sorted separately.

SPECIFICATIONS

Model		C50-LD7000	C60-LD7000
Screen Size		127cm	152cm
Display Resolution		1284×724	
Lamp		100W UHP	
Power Supply		Refer to the values as indicated on the rating label pasted at the back of the TV set	
Power Consumption			
Reception System	RF/VIDEO	PAL B.G/I/D.K SECAM B.G/D.K NTSC 50 M/NTSC NTSC3.58-5.5/6.0/6.5 NTSC4.43-5.5/6.0/6.5 PAL/SECAM 60	
	Component	525i/525p/625i/625p/750p/1125i	
Frequency Range		44MHz-863MHz	
Reception Sensitivity	VHF	Not less than 250uV	
	UHF	Not less than 350uV	
Antenna Input Impedance		75 Ω non balance type	
Speaker		6×12cm×2, Φ5cm×2, Φ10cm×2	
Sound Output		12W×2+12W×2	
Comb Filter		3L(PAL)/3D(NTSC)	
Perfect Volume		yes	yes
NICAM/A2		yes	yes
BBE		yes	yes
SRS		yes	yes
Multi Picture		yes	yes
Teletext		yes	yes
S-VIDEO INPUT		1 (front), 2 (back)	1 (front), 2 (back)
VIDEO INPUT		1 (front), 4 (back)	1 (front), 4 (back)
Component INPUT (Y, P _B /C _B , P _R /C _R)		2 (back)	2 (back)
AUDIO INPUT		1 (front), 4 (back)	1 (front), 4 (back)
VIDEO OUTPUT (MONITOR OUT)		1 (back)	1 (back)
S-VIDEO OUTPUT (MONITOR OUT)		1 (back)	1 (back)
AUDIO OUTPUT (MONITOR OUT)		1 (back)	1 (back)
VARIABLE AUDIO OUT		1 (back)	1 (back)
Photo MC adapter slot		yes	yes
Weight		51Kg	59Kg
Dimension(mm) (width×depth×height)		1387mm×415mm×901mm	1609mm×520mm×1025mm

Note: Specifications may be subject to change without notice for improvement.

MEMO

Exemptions

- Hitachi is not liable for any damage caused by natural calamities, use by the third person, accidents, owner's intentional misuse, or use in other improper conditions
- Hitachi is not liable for incidental damages (such as profit loss or interruption in business, modification or erasure of record data, etc.) caused by use or misuse of products.
- Hitachi is not liable for any damage caused by neglect of the instructions described in the owner's manual.
- Hitachi is not liable for any damage caused by misuse or malfunction through simultaneous use of this product and the connected Equipment.

HITACHI
Inspire the Next