MOTION

EC-320-HU

LCD TV

Owner's Operation Manual

Design and specifications are subjected to changes without prior notice

Modification statement:

Caution: The user is cautioned that changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Class B digital device or peripheral:

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning.

the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

—Reorient or relocate the receiving antenna.

—Increase the separation between the equipment and receiver.

—Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

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

LCD TV

Product Specification

Specifications 32″ LCD TV

1. Display panel	32″ LCD (16 : 9)
Active Area	697. 68 (H) x 392. 25 (V)
Luminance	450cd/m^2
Number Of Pixels	1366 (H) x 768 (V)
Viewing Angle	>178/178 Degree Typ. (H/V)
LED Life Time	50000 hours
Display Colors	16. 7m colors
2. Power	
Input Voltage	AC 100V~240V, 50Hz/60Hz
Operation Mode	150W
Standby power consumption	<1W
3. Connector	
ATV	NTSC-M/N
DTV	ATSC
CVBS	RCA typex1
Comp(YPbPr)	RCA typex2
PC	D-sub 15pin type
HDMI	Type A HDMIx2
USB	USB (version 2. 0)
4. Compatibility	
Video Color System	NTSC PAL SECAM
PC	VGA/SVGA/XGA/SXGA/WXGA
Scanning Format	480p, 576p, 720p, 1080i, 1080p
5. Audio Output (RMS)	7Wx2
6. Display Mode	16 : 9
7. Dimension of the unit	807x249x591 mm(including base)
8. Net Weight	14Kg
9. Work Temperature	5 °C~35 °C
10. Work Humidity	20%~80%
11. Storage Temperature	-15 °C~45 °C
12. Storage Humidity	10%~80%

Warnings and Precautions

- CAUTION : TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE OF PLUG TO WIDE SLOT, FULLY INSERT.

- WARNING: To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.

- AVERTISSEMENT : Pour réduire le risque d'incendie ou de choc électrique, ne pas exposer cet appareil sous la pluie et l'humidité.

- CAUTION: Use of any controls or adjustments or performance of procedures other than those herein specified may result in hazardous radiation exposure.

- WARNING: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

- WARNING: Do not place the unit on top of any soft, porous, or sensitive surfaces to avoid damaging the surface. Use a protective barrier between the unit and surface to protect the surface.

- WARNING: Use of this unit near fluorescent lighting may cause interference regarding use of the remote. If the unit is displaying erratic behavior move away from any fluorescent lighting, as it may be the cause.

- CAUTION: Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type.

- PRÉCAUTION: Danger d'explosion si les piles sont remplacées de façon incorrect. Remplacer les piles seulement par le même type de pile ou l'équivalent.

WARNING : Shock hazard - Do Not Open.

AVIS: RISQUE DE CHOC ÉLECTRIQUE - NE PAS OUVRIR

- Mains plug is used as disconnect device and it should remain readily operable during intended use. In order to disconnect the apparatus from the mains completely, the mains plug should be disconnected from the mains socket outlet completely.
La prise du secteur est utilisé pour déconnecter le système.
La prise du secteur ne doit pas être obstruée ou doit être facilement accessible pendant son utilisation. Pour être complètement déconnecté de l'alimentation d'entrée, la prise doit être débranchée du secteur.

Do not mix old and new batteries.
Do not mix alkaline, standard (carbon-zinc), or rechargeable (ni-cad, ni-mh, etc) batteries.
No mezcle baterías viejas y nuevas.
No mezcle baterías alcalinas, estándar (carbono-zinc) o recargables (ni-cad, ni-mh, etc.).

CAUTION
RISK OF ELECTRIC SHOCK DO NOT OPEN

ATTENTION
RISQUE D'ÉLECTROCUTION NE PAS OUVRIR

WARNING: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

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

Cautions

- Batteries should not be exposed to excessive heat, such as sunshine, heat registers, or fire.
- Battery chemicals can cause a rash. If the batteries leak, clean the battery compartment with a cloth. If chemicals touch your skin, wash immediately.
- Make sure that batteries are disposed of correctly, Do not burn or incinerate.

Cautions

- Do not mix batteries of different types,
- Do not mix old and new batteries.
- Remove batteries when the charge is depleted.
- If the remote control is not going to be used for an extended period of time, remove the batteries.

Important Safety Instructions

1. Read these Instructions.
2. Keep these Instructions.
3. Heed all warnings.
4. Follow all Instructions.
5. Do not use this apparatus near water.
6. Clean only with a dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. When the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12. Use only with a cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
13. Unplug this apparatus during lightning storms or when unused for long periods of time.
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

FCC Warnings

Note:This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to whitch the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Additional Warnings

- The apparatus shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed or apparatus.
L' appareil ne doit pas être exposé aux écoulements ou aux éclaboussures et aucun objet ne contenant de liquide, tel qu' un vase, ne doit être placé sur l' objet.

- Mains plug is used as disconnect device and it should remain readily operable during intended use. In order to disconnect the apparatus from the mains completely, the mains plug should be disconnected from the mains socket outlet completely.
La prise du secteur ne doit pas être obstruée ou doit être facilement accessible pendant son utilisation. Pour être complètement déconnecté de l' alimentation d' entrée, la prise doit être débranchée du secteur.

- Battery shall not be exposed to excessive heat such as sunshine, fire or the like.
Les piles ne doivent pas être exposées à de forte chaleur, tel qu' à la lumière du soleil, au feu ou autres choses de semblable.

- Caution marking is located at the rear or back of the apparatus.
Attention marquage est sitée à l' arrière ou à l' arrière de l' appareil.

- The marking information is located at the rear or back of apparatus.
Les informations de marquage est situé à l' arrière ou à l' arrière de l' appareil.

A warning that an apparatus with CLASS I construction shall be connected to a MAINS socket outlet with a protective earthing connection.

Suggestion

-Trouble shooting guide:Before you arrange for service

No sound or picture.	Check that the mains lead has been connected to a wall socket. Check that you have pressed the POWER button. Check the picture contrast and brightness settings. Check the volume.
Normal picture but no sound.	Check the volume. Check whether the MUTE button has been pressed on the remote control.
No picture or black and white picture	Adjust the colour settings. Check that the broadcast system selected is correct.
Sound and picture interference.	Try to identify the electrical appliance that is affecting the set and move it further away. Plug your set into a different mains socket.
Blurred or snowy picture, distorted sound.	Check the direction, location and connections of your aerial. This interference occurs often due to the use of an indoor aerial.
Remote control malfunctions.	Check the batteties in the remote control.They may need replacing. Operate the remote control at a distance of no more than 8 meter. Clean the upper edge of the remote control (transmission window). Remove batteries and hold down one or more buttons for several minutes to drain the microprocessor inside the remote control to reset it.Reinstall batteries and try to operate the remote control again.
"No signal " message is displayed.	Check that the signal cable is firmly connected to the PC. Check that the PC is turned on.
In PC mode, "Mode Not Supported" message is displayed.	Check the maximum resolution and the frequency of the video adapter. Compare these values with the data in the Display Modes.
No HDMI output	Check the video output is HDMI enabled. Check the connection between the TV and the HDMI jack of video input.

PC SETTING

Setting up Your PC Software (Based on Windows XP)

The Windows display-settings for a typical computer are shown below. But the actual screen on your

PC will probably be different, depending upon your particular version of Windows and your particular

video card. But even if your actual screen look different, the same, basic set-up information will apply

in almost all cases.
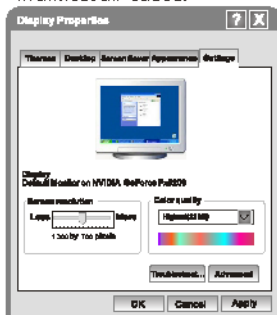
1 First, click on "Control Panel" on the Windows start menu.

2 When the control panel window appears, click on "Appearance and Themes" and a display dialog-box will appear.

3 When the control panel window appears, click on "Display" and a display dialog-box will appear.

4 Navigate to the "Settings" tab on the display dialog-box. The correct size setting (resolution) Optimum: 1360 x 768

Display Mode

If the signal from the system equals the standard signal mode, the screen is adjusted automatically. If the signal from the system does not equal the standard signal mode, adjust the mode by referring to your Videocard user guide; otherwise there may be no video. For the display modes listed below, the Screen image has been optimized by manufacturer.

Resolution	Vertical Frequency (Hz)	Mode
640x480	60Hz	VGA
	75Hz	
800x600	60Hz	SVGA
	75Hz	
1024x768	60Hz	XGA
	75Hz	
1280x1024	60Hz	SXGA
1360x768	60Hz	WXGA

Thank you for purchasing this LCD Television.
The instructions in this manual are described mainly with the remote control.
You can also use the buttons on the TV if they have the same names as hose on the remote control.
To obtain the best performance and safety, please read this manual carefully.
Please keep this manual for future reference.

CONTENTS

Supplied Accessories

Check the supplied accessories before installation.
In case of missing or damaged, please contact the dealer immediately.
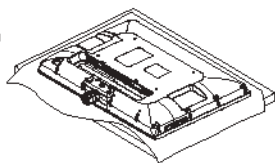

Remote Control   2AA Batteries   User Manual   Cap
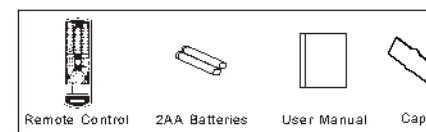
• The type of power plug provided may be different from the above picture for some countries.
• Please store the screws that are not used.

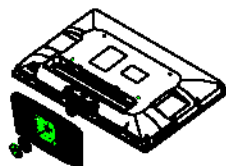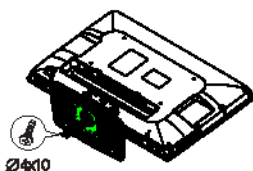## Preparation

Stand Installation

1 Carefully place the TV with its front side facing down on a cushioned flat surface.

2 Attach the TV stand to the TV as shown.

3 Tighten the supplied Φ4x10 screws to fix the TV stand securely in place.

Ø4x10

The TV stand may not be securely fixed in place after repeated tightening and loosening the screws.

WARNING

During assembling and disassembling the TV stand, please use your hand to support it. Falling to do so may cause the TV stand to fall and result in personal injury.
After installing the TV stand, please ensure that the screws are tightened firmly. Failure to do so may cause the TV set to tip over or become damage.
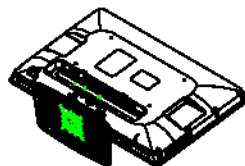
Detaching the TV Stand for Wall Mounting

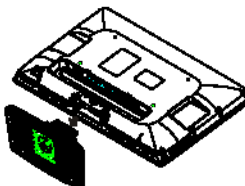Before mounting the TV on the wall, the TV stand must be removed.

1 Carefully place the TV with its front side facing down on a cushioned flat surface.
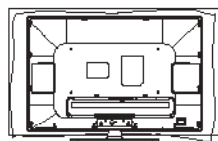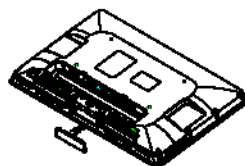
2 Unscrew and remove the 4 screws as shown.

3 Remove the TV stand with two hands.

4 Attach the cap as shown.

✏ • Fasten the wall bracket to the TV using the supplied M5x15 screws.
• For wall bracket installation, refer to the wall bracket instruction guide.

Digital CC Style

1. Select"Setup—Closed Caption--Digital CC Style" press ▶ to enter.

2. Press ▲▼ button to select the desired item to enter.

3. Press ◀ ▶ buttons on the remote control to adjust desired item.

4. Press the ″MENU″ button on the remote control to return to upper menu.
Notes:
1. This function is activated in Digital TV receiving.
2. If set to Custom, the blocked Digital CC style will released, using the Navigator ◀ ▶ ▲ ▼ and ENTER buttons to set the style of the words of closed caption as desire.

🔒 DIGITAL CC STYLE	
CC Size	Default
CC Font	Default
CC Opacity	Default
CC Color	Default
CC Background Opacity	Default
CC Background Color	Default
CLOSE CAPTION	

⬍ : Select Menu ◀▶ : Change Setting

Clock

1. Select"Setup--Clock"press ▶ to enter.

2. Press ▲▼ button to select the desired item to enter.

3. Press ◀ ▶ buttons on the remote control to adjust desired item.

4. Press the ″MENU″ button on the remote control to return to upper menu.

If Auto Clock is selected, press the Navigator ◀ ▶ button to turn it On or Off. (When turn on , the TV will display the time from Digital TV station directly. Function is depend on the signal emit from TV station).

🔒 CLOCK	
Time Zone	Eastern
Daylight Saving	Off
Auto Clock	On
Setup Time	2010-02-22 00:29:14 AM
Date Of Week	Mon
Return	

⬍ : Select Menu ◀▶ : Change Setting

Others Menu

Others

1. Press the ″MENU″ button on the remote control to enter the OSD menu. Then press ▲▼ buttons to select the ″Others″. press ▶ or ENTER button to enter.
2. Press ▲▼ button to select the desired item to enter.
3. Press ENTER buttons on the remote control to adjust desired item.
4. Press the ″MENU″ button on the remote control to return to upper menu.

📁 OTHERS	
Blue Back	☑
No Signal Power Off	☐
No Operation Power Off	☐
All Reset	Execute
Return	

⬍ : Select Menu OK ▶ : On/Off

No Signal Power Off: If turn On, the TV will power off automatically if no more TV signals received over than 10 minutes.This function is design to save the energy when you are sleeping during watching TV in midnight.
No Operation Power Off: If turn On, the TV will power off automatically if no any buttons was pressed within 3 hours. This funtion is design to save the energy when you are sleeping during watching TV.
All Reset: Press the ENTER button to reset all setting to default settings.

Parental Control

1.If Change Password is selected, press ENTER button to enter. The CHANGE PASSWORD menu will appear and Old PIN will be highlight. Enter the preset 4 digit passwords (or the super password 0000) by pressing the numeric buttons. New PIN will be highlighted automatically. Enter the new 4 digit password. Confirm will be highlighted, re-enter the new password then press the MENU button to save the new password and exit.

2.If Front Panel Lock is selected, press the ENTER button to turn this function On or Off.

Note: When locked, all the control buttons on the top of TV (except Power On/Off button) will be locked.

CHANGE PASSWORD

Old PIN

New PIN

Confirm

Return

⬍ : Select Menu   ⊞ : Password

Positioning the TV set

Place the TV on a firm and flat surface, leaving a space of at least 10cm around the set and 30cm from the top of the set to the wall.

Setup Menu

Setup

1. Press the "MENU" button on the remote control to enter the OSD menu. Then press ▲▼ buttons to select the "Setup". press ▶ or ENTER button to enter.
2. Press ▲▼ button to select the desired item to enter.
3. Press ◀ ▶ buttons on the remote control to adjust desired item.
4. Press the "MENU" button on the remote control to return to upper menu.

SETUP

Closed Caption   ▶▶

Menu Language   English

Clock

Return
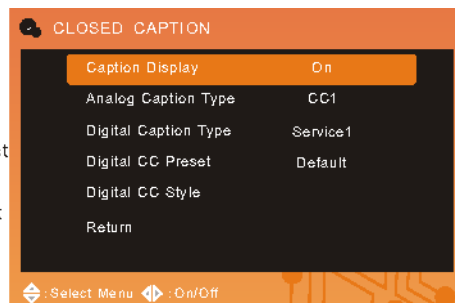
⬍ : Select Menu ⬛/▶ : Go to Next Menu

Closed Caption

Select"Setup--Closed Caption"press▶ to enter.

Caption Display: Press ◀ ▶ button to turn it On or Off.
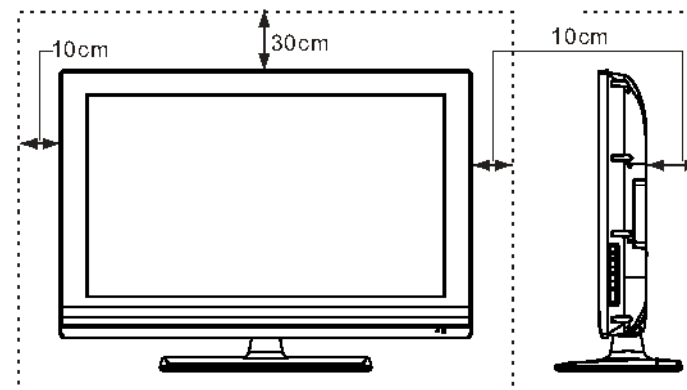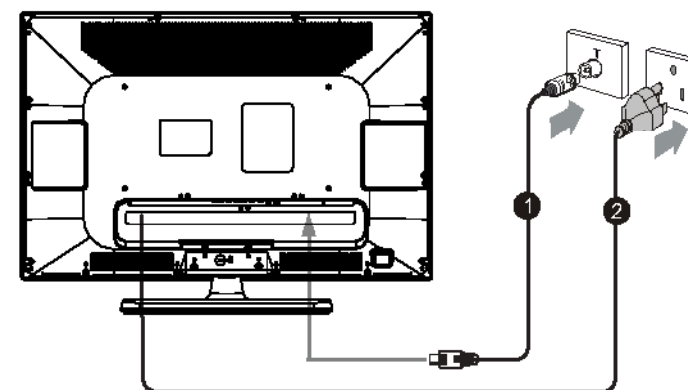**Analog Caption Type:** Press ◀ ▶ button to select CC1,CC2,CC3,CC4,TEXT1,TEXT2,TEXT3, TEXT4.
Digital Caption Type: Press ◀ ▶ button to select Service1, Service2,Service3,Service4,Service5, Service6.
Digital CC Preset: Press ◀ ▶ button to select Default,Custom.

CLOSED CAPTION

Caption Display   On

Analog Caption Type   CC1

Digital Caption Type   Service1

Digital CC Preset   Default

Digital CC Style

Return

⬍ : Select Menu ◀▶ : On/Off

Antenna and Power Connections
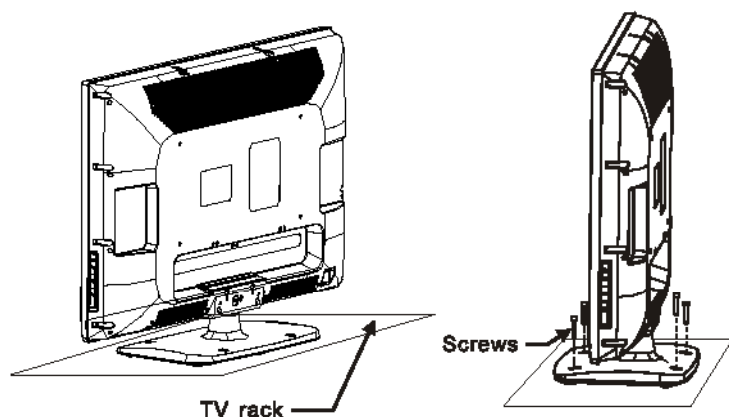

① Connect the antenna cable into the antenna input terminal at the rear panel and wall antenna socket.

② Connect the power plug into the wall outlet.

✎ ● The type of power plug provided may be different from the above picture for some countries.

Securing the TV Set

Screws

TV rack

Secure the TV set as shown above using screws that are available in the market.

⊘ • If you do not take the above safety measures, the TV set could fail and result in personal injury or physical damage.

To set and activate it by:
*Enter to the parental control menu as previously procedures, the PARENTAL CONTROL menu will appear on the screen and Lock Parental Control will be highlight.

*Enter the default password 0000 by presses the numeric buttons. Then the cursor will remove and highlighted the V-CHIP automatically.

*Press the ENTER button to enter, the V-CHIP menu will appear on the screen and Lock System will be highlighted. Press the Navigator◄ ► button to turn the V-Chip On or Off.

*If the US V-Chip or Canada V-Chip is selected. Press the ENTER button to enter then using the Navigator ◄ ►▲▼ buttons to set the block level as the on screen instructions as desire. Press the MENU button to save the settings and exit.
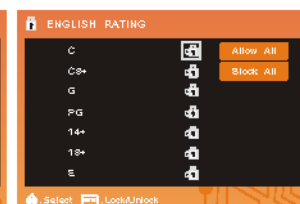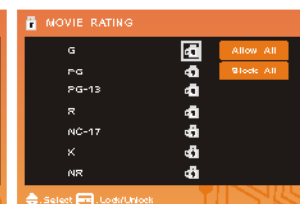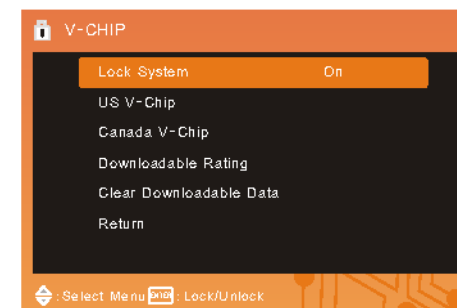
Notes:
1. If new Rating level is available. The blocked "Downloadable Rating" in the V-CHIP menu will be activated automatically. Enter to it then download the new rating system as the on screen instructions. To delete the downloaded new rating system, enter to the "Clear Downloadable Data" then delete the new system as the on screen instructions.
2. If Change Password is selected, using the Navigator◄ ►▲▼ ,ENTER and numeric buttons to set a new password as desire.
(NOTE: If the preset password was forgotten, you can use the super password 0000 to reset a new password.)
3. If Front Panel Lock was selected, press the ENTER button to turn it On (All the button on the top of TV except Power On/Off button will be locked) or Off.
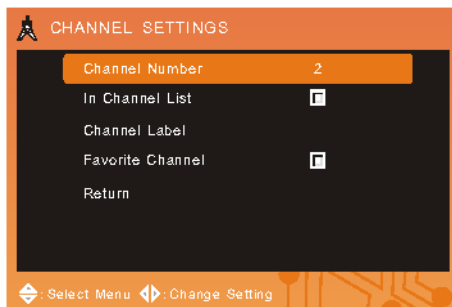
Channel Setting

Select"Channel--Channel   Setting"press ▶ to enter.

Channel Number: Press ◀ ▶ buttons to set.
In Channel List: Press the ▲▼ button to select
and highlight in channel list then press the
ENTER button to add or remove the current
channel in the channel list.
Channel Label: Press the ▲▼ button to select
and highlight Channel label then using
Navigator ◀ ▶ ▲▼ button to re-name the
current channel. When finished, press the
ENTER button to confirm the new name.
Favorite Channel: Press the ▲▼ button to select
and highlight in Favorite Channel then press
the ENTER button to add or remove the
current channel in the favorite channel list.

```
⚓ CHANNEL SETTINGS

   Channel Number            2
   In Channel List           ☐
   Channel Label
   Favorite Channel          ☐
   Return

⬍: Select Menu ◀▶: Change Setting
```

Functional Overview

Front Panel

1 AC POWER SWITCH
Turn ON/OFF the TV set.

2 Power Light
On Standby Mode, the light turns red.

3 Infrared Remote Sensor
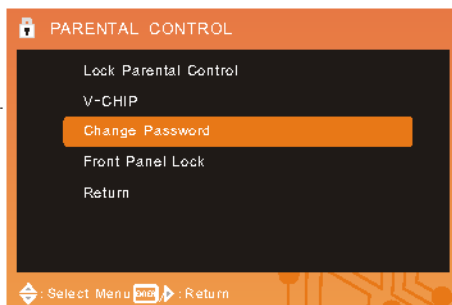Receives the signals from the remote control.

4 Speaker

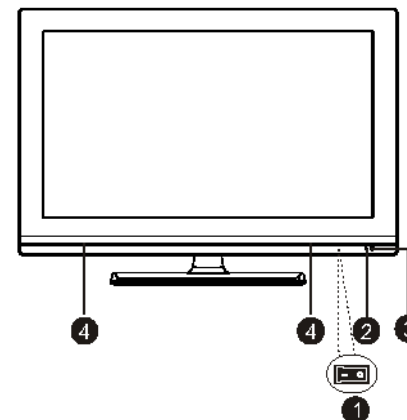## Parental Control

Parental Control

The TV has V-Chip that lets you can control the type of programs your children can watch. Parental
controls included four rating system:MPAA rating, PG rating, Canada English and Canada French.

1. Press the "MENU" button on the remote
   control to enter the OSD menu. Then press
   ▲▼ buttons to select the "Parental Control".
   press ▶ or ENTER button to enter.
2. Press ▲▼ button to select the desired item
   to enter.
3. Press ◀ ▶ buttons on the remote control to
   adjust desired item.
4. Press the "MENU" button on the remote
   control to return to upper menu.

```
🔒 PARENTAL CONTROL

   Lock Parental Control
   V-CHIP
   Change Password
   Front Panel Lock
   Return

⬍: Select Menu EXIT ▶: Return
```

Side Panel

5 Power On/Standby (⏻/|)
Press to turn TV on or turn to standby mode.

6 Program Up/Down (P+/P-)
Press to select desired channels, or press to
select or adjust a menu item.

7 Volume Up/Down (◀+/◀-)
Press to adjust the volume level, or press to
select or adjust a menu item.

8 MENU (▤)
Press to display the setup menu on the
TV screen.

9 Input Select (🔁)
Press to select TV or all video input modes:
TV, AV, S VIDEO, COMP1,COMP2,HDMI1,
HDMI2,PC.

Rear Panel

POWER SWITCH	USB
HDMI	
PC IN (VGA)	AUDIO IN (VGA/DVI)
YPbPr2	L2/R2 COAXIAL

HDMI1 HDMI2

Y2 Pb2 Pr2   L2 R2
Y1 Pb1 Pr1   L1 R1

POWER CORD

S-VIDEO   YPbPr1   L1/R1   CVBS   TV IN

① Power Cord

② Main Power Switch
Press the "I"position to turn the main power on or "O"position to off.

③ USB
Insert USB
(Only for DVB–T software upgrade.).

④ HDMI Input terminal
Connect to equipment with HDMI output.

⑤ PC IN Input terminal
Connect to PC

⑥ S-VIDEO Input terminal
Connect to equipment with S-VIDEO output.

⑦ PC/HDMI Analog Audio Input terminal
Connect to equipment using HDMI-DVI connection or PC with audio output.

⑧ Comp1 (YPbPr1) Input terminal
Connect to equipment with component video output.

⑨ Comp1 (YPbPr1) /CVBS/S-VIDEO Audio Input terminal
Connect to equipment with audio output.

⑩ Comp2 (YPbPr2) Input terminal
Connect to equipment with component video output.

⑪ Comp2 (YPbPr2) Audio Input terminal
Connect to equipment with audio output.

⑫ COAXIAL
This terminal is used as a digital audio output to audio amplifier.

⑬ AV Input terminal
Connect to equipment with composite video output.

⑭ Antenna Input terminal
Connect to equipment with antenna output or wall antenna socket.

Sound Settings

Select"Sound--Sound Setting"press ▶ to enter.

If User is selected, using Navigator ◀ ▶ ▲ ▼ and ENTER buttons to adjust Bass, Treble and Balance as desire.

Sound Mode: Press ◀ ▶ buttons to select. the following options are available"Music, Movie, News, User".
Bass: Adjust bass effect.
Treble: Adjust treble effect.
Balance: Adjust balance effect.

SOUND SETTINGS

Sound Mode	User
Bass	
Treble	
Balance	
Return	

◆ : Select Menu ◀▶ : Change Setting

Channel Setting

Channel

1. Press the "MENU" button on the remote control to enter the OSD menu. Then press ▲▼ buttons to select the "CHANNEL". press ▶ or ENTER button to enter.
2. Press ▲▼ button to select the desired item to enter.
3. Press ◀ ▶ buttons on the remote control to adjust desired item.
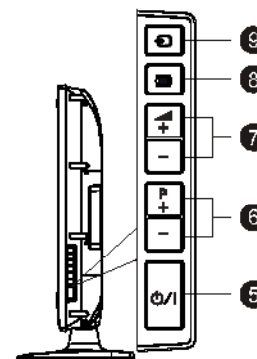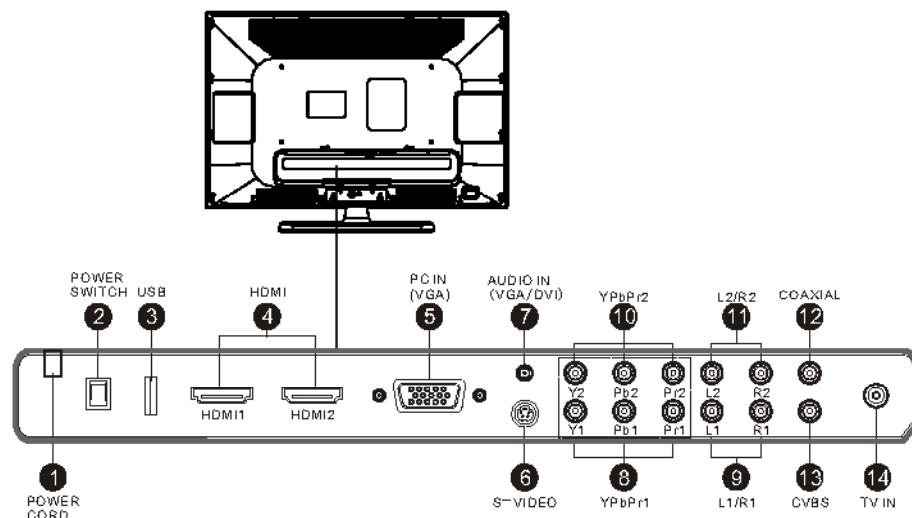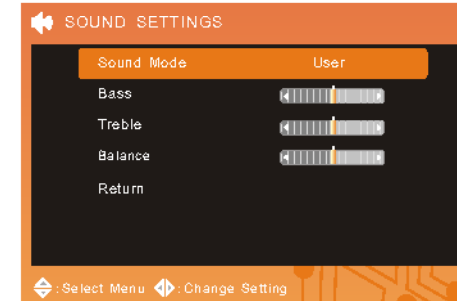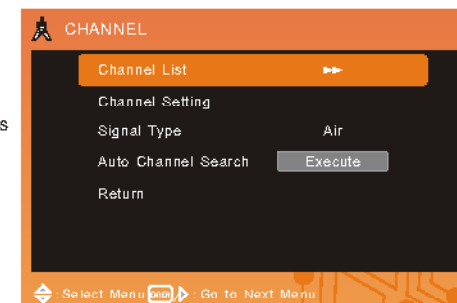4. Press the "MENU"button on the remote control to return to upper menu.

CHANNEL

Channel List	▶▶
Channel Setting	
Signal Type	Air
Auto Channel Search	Execute
Return	

◆ : Select Menu ENTER ▶ : Go to Next Menu

Channel List

Select"Channel--Channel List"press ▶ to enter.

The channel list of the stored channels will appear on the screen. Press ▲▼ button to select the desired channel, then press the ENTER button. A few seconds later, the selected channel will appear on the screen.

CHANNEL LIST

Empty

◆ : Select Menu ◀▶ : Page ENTER : Select Channel
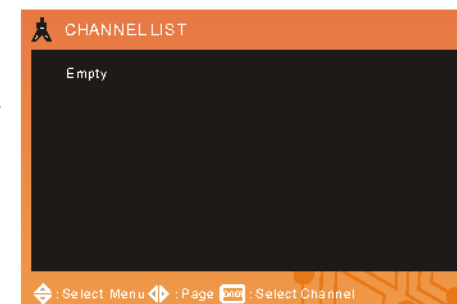
Advanced Picture Settings

Select "Picture–ADVANCED PICTURE SETTINGS" press ▶ to enter.

SABC: Press ◀ ▶ buttons to select.the following option are available:"Off,Low,Medium,High."
(SABC: Scene Adaptive Brightness Control, a function to enhanced the brightness level of the background.)

Film Mode: If Film Mode was selected, press the ENTER button to turn it On (Enhanced the contrast level while playback a movie which make by films) or Off.

Noise Reduction: Press ◀ ▶ buttons to select. the following option are available:"Off,Low, Medium,High."

MEPG Noise Reduction: Press ◀ ▶ buttons to select. the following option are available:"Off, Low,Medium,High."

```
ADVANCED PICTURE SETTINGS

   SABC                    Off
   Film Mode               ☑
   Noise Reduction         |▮▮▮▮▮▮▮|
   MPEG Noise Reduction    |▮▮▮▮▮▮▮|
   Return

◆ : Select Menu  ◀▶ : Change Setting
```

Sound Setting

Sound
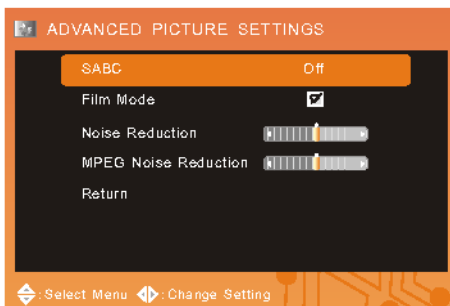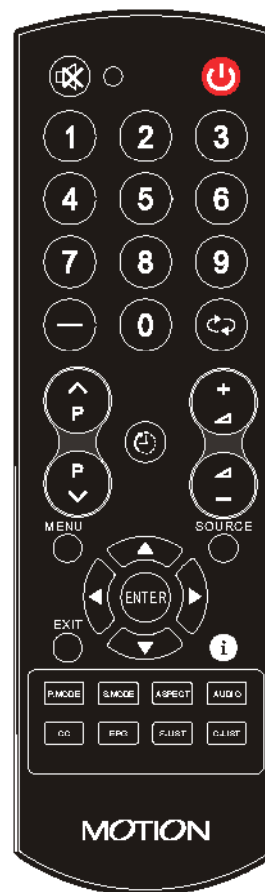
You can customize different sound mode to get best effect.

1. Press the "MENU" button on the remote control to enter the OSD menu. Then press ▲▼ buttons to select the "SOUND". press ▶ or ENTER button to enter.
2. Press ▲▼ button to select the desired item to enter.
3. Press ◀ ▶ buttons on the remote control to adjust desired item.
4. Press the "MENU" button on the remote control to return to upper menu.

Surround Mode: Press the ENTER button to turn the surround effect On or Off.

Analog Sound: Press the Navigator ◀ ▶ button to set the priority of sound mode to Mono, Stereo or SAP (Second Audio Programs) if available in the current TV program as desire.
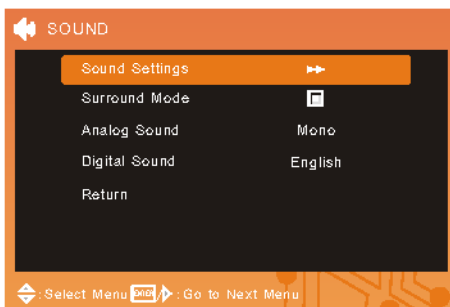
Notes:
1. Functions depends on the TV signals emit from TV stations.
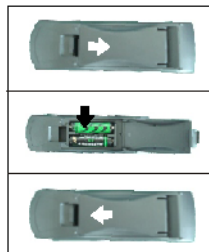2. This settings only operate in Analogue TV(NTSC) receiving.

Digital Sound: If Digital Sound is selected, press the Navigator ◀ ▶ button to set the priority of language to English, French or Spanish if the selection is available in the current TV program as desire.

Notes:
1. Functions depends on the TV signals emit from TV stations.
2. This settings only operate in Digital TV(ATSC) receiving.

```
🔊 SOUND

   Sound Settings        ▶▶
   Surround Mode         ▣
   Analog Sound          Mono
   Digital Sound         English
   Return

◆ : Select Menu  [OK]▶ : Go to Next Menu
```

Remote Control

| Button		Description
Power	⏻	To turn TV on or turn to standby mode.
Mute	🔇	Press this button to mute the sound output. Press it again to restore the sound output.
S.MODE		Sound mode selection.
P.MODE		Picture effect selection.
ASPECT		Press repeatedly to cycle through the available aspect modes.
SLEEP	⏰	Press this button to set up the LCD TV auto turn off time.
Number		Press to select the TV program you want to enter or input password.
SWAP	⇄	Press this button to toggle between the current and the previous program you were viewing.
⊖		For direct access a digital TV channel.(For an example, when access a digital TV channel number 5-1,press button "5"+"-"+"1").
P∧∨		Press these two buttons to directly adjust the TV program .
⊿+−		Press the volume button to directly increase or decrease the sound volume level.
DISPLAY	ⓘ	Press once to display the current LCD TV information, press again to turn off this display.
ENTER		Press enter button to confirm or enter sub menus. Press this button to still a picture.
EXIT		Press to save the settings and exit.
▲▼ ◀▶		Press this button to select or adjust the desired item on the TV menu.
MENU		Press this button to display the OSD (on-screen display) menu for adjusting the picture, sound,Channel and so on. Pressing this button again removes the OSD display.
SOURCE		Available source selection.
AUDIO		Press this button to display and select different TV Audio systems or Language.
F-LIST		Press to display the Favorite List on the screen.
C-LIST		Press to display the Channel List on the screen.
EPG		Open/close Electronic program guide.
CC		Press this button to turn on caption vision, the caption vision will turn off after press again.

Install The Remote Control Batteries

1. Open the battery cover.
2. Insert batteries (two size-AA batteries).
   Place batteries with their terminals corresponding to the (+) and (-) indications.
3. Replace the cover and slide in reverse until the lock snap.
   If the remote control is not used for an extended period of time, remove the batteries from the remote control.

Range of Remote Control

- Ensure the remote control is pointed towards the remote control window on the display unit.
- No obstacles should be placed between the remote control and the remote control window.
- The effective receiving range for the signal is within 5-8 meters from the front of the remote control window, and 30° to the left or right side and 20° above or below the control window.

Sketch map

20°
20°

30° 30°
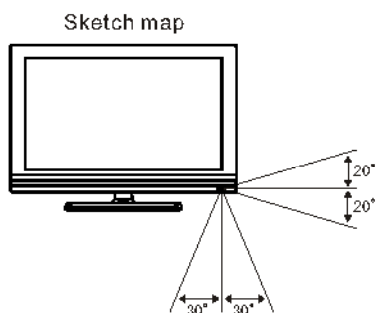
Placing In Standby Mode

Your TV can be placed in Standby mode in order to reduce the power consumption. The standby mode can be useful when you wish to interrupt viewing temporarily (during a meal, for example).
1. Press the Power button.
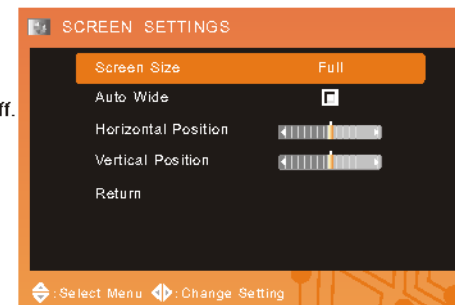   Remark: *TV will turn off and the LED turns red.*
2. To switch back on, simply press power button.
   Remark: *Do not leave your TV in Standby mode for long periods of time. (when you are away on holiday, for example). It is the best to unplug the set from the mains and aerial.*

Screen Settings

Select "Picture--Screen Settings" press ▶ to enter.

Screen Size: Press ◀ ▶ buttons to select.
Auto Wide: Press ENTER buttons to turn on or turn off.
Horizontal Position: Adjust the Horizontal Position of the Screen.
Vertital Position: Adjust the Vertital Position of the Screen.

SCREEN SETTINGS

|	
Screen Size	Full
Auto Wide	☐
Horizontal Position	
Vertical Position	
Return	

♦ : Select Menu ◀▶ : Change Setting

PC Settings

Select "Picture--PC Settings" press ▶ to enter.

Auto Adjust: Press ◀ ▶ buttons, TV system adjust by itself, it can adjust H Position, V Position, Phase and so on that can make the image in center and display best.
Clock: Adjust the clock of the PC Screen display.
Phase: When necessary, adjust the pixel phase of the picture to avoid picture interference.

NOTE: PC Settings is available only under the VGA source mode.

PC SETTINGS

Auto Adjust	Execute
Horizontal Position	
Vertical Position	
Clock	
Phase	
Return	

♦ : Select Menu ▶ : Select
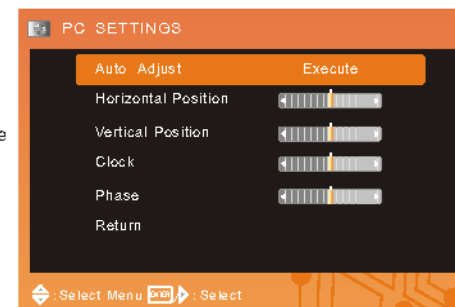
Color Temperature

You can select your favorite Color Temperate.

Select "Picture--Color Tempepature" press ▶ to enter.

1. Press ◀ ▶ button to select the "Color Tempepature".
2. Press the "MENU" button on the remote control to return to upper menu.

Color Temperature

Warm
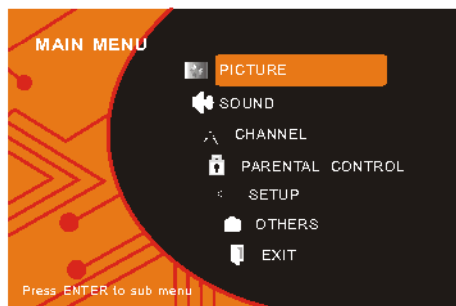
Normal: Adjust the colour value.
Warm: Adjust the white colour to a little bit red.
Cold: Adjust the white colour to a little bit blue.

Remark: The changes you made will be stored automatically.

Setting Menus

1.Press the MENU button to enter to the setting menu (press again to exit).
2.Press the Navigator▲▼ button to select and highlight the function within the menu you want to adjust. Press the ENTER button to go to the sub-menu or to confirm the selection.Press the Navigator◀ ▶ button to adjust.
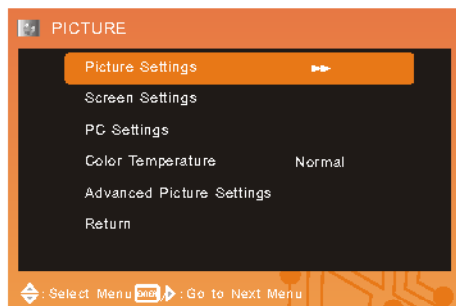3.During setting, press the EXIT button to return to previous menu.

MAIN MENU

- PICTURE
- SOUND
- CHANNEL
- PARENTAL CONTROL
- SETUP
- OTHERS
- EXIT

Press ENTER to sub menu

Picture Setting

For picture quality setting

Picture

1. Press the "MENU" button on the remote control to enter the OSD menu. Then press ▲▼ buttons to select the "PICTURE". press ▶ or ENTER button to enter.
2. Press▲▼button to select the desired item to enter.
3. Press◀ ▶buttons on the remote control to adjust desired item.
4. Press the "MENU"button on the remote control to return to upper menu.

PICTURE

- Picture Settings ▶▶
- Screen Settings
- PC Settings
- Color Temperature   Normal
- Advanced Picture Settings
- Return

◆: Select Menu ENTER ▶: Go to Next Menu

Picture Settings

Select"Picture--Picture Settings"press▶to enter.

**Picture Mode:**Press◀ ▶buttons to select.the following option are available:"Standard,Movie, User,Dynamic."
Brightness: Adjust the color saturation.
Contrast: Adjust image Contrast.
Color: Adjust the color saturation.
Tint: Determines the tint of the screen
Sharpness: Adjust the sharpness level of image.

PICTURE SETTINGS

Picture Mode	Standard
Brightness	
Contrast	
Color	
Tint	
Sharpness	
Return	

◆: Select Menu ◀▶: Change Setting
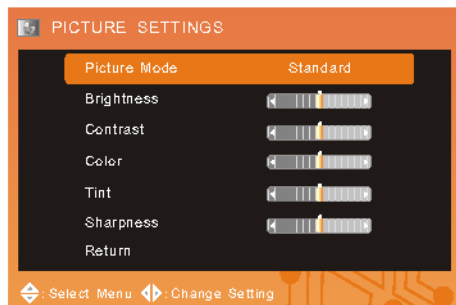
Power On/ Off And Standby

◣Turning on the TV

1. Plug the TV's power adapter cord into a wall outlet (after this step, the TV will turn on and enter standby mode automatically). The power button indicator will turn red.
2. Press the **(Power)** button on the TV, or press the **(Power)** button on the remote control. The TV will turn on.

◣Turning off the TV

Press the **(Power)** button on the TV again, or press the **(Power)** button on your remote control again, and the TV will turn to standby mode. (The power button indicator will turn red.)

Switching Input

1.Turn on all connected equipment or computers.
2.Press the **(SOURCE)** button on your TV or on your remote control to display the Source Menu.
3.Press the (▲▼) button to select modes and press (◀ ▶ or **Enter**) to confirm.

TV ←→AV ←→S-VIDEO ←→COMP1←→ COMP2 ←→ HDMI1←→ HDMI2 ←→ PC

Changing Programs

◣ Using the Program selection buttons on the Remote Control to Change Programs

1. To select a program, press the corresponding program selection button on the remote control. For example, to select program 8, press the "8" program selection button on the remote control.
2. To select a program number over 09, press the corresponding program selection button on the remote control. For example, to select program 99, and then press the"9", "9" program selection buttons on the remote control.

◣ Using the P∧ / P∨ buttons to sequentially change programs

Press (P∧) or (P∨) on your remote control or on the TV to sequentially select the TV programs available in your area.

◣ Using the SWAP button to return the previous program

To return to the previous viewed program, press the (⟷) button on your remote control.

Connections

You can connect VCR,DVD player, set-stop box, computer, game console or other video equipment to the TV. To view external source images, press " SOURCE " to select the input source.
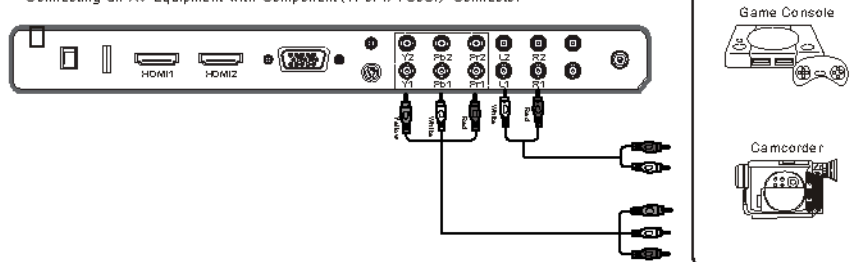
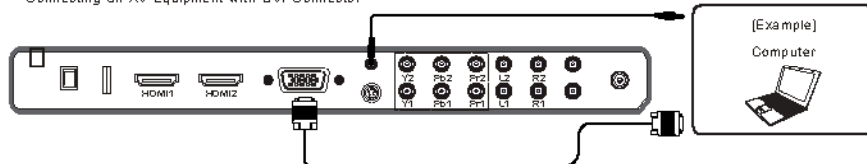Connecting an AV Equipment with HDMI Connector

(DVI)

[Example]

HDMI1   HDMI2

or

VCR

(HDMI)
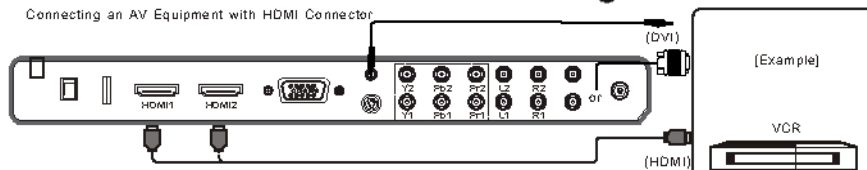
Connecting an AV Equipment with Composite Connector

HDMI1   HDMI2

DVD Player
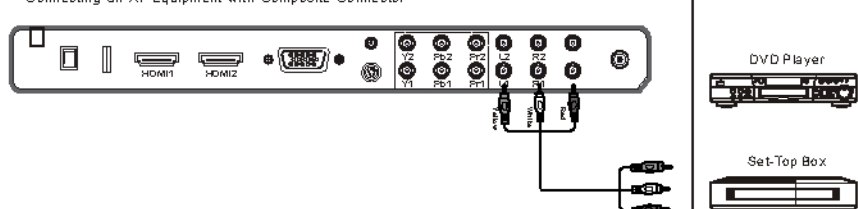
Connecting an AV Equipment with Component (YPbPr/YCbCr) Connector

HDMI1   HDMI2

Set-Top Box

Game Console

Camcorder

Connecting an AV Equipment with DVI Connector

HDMI1   HDMI2

[Example]
Computer

Connecting audio amplifier (for all signal source)
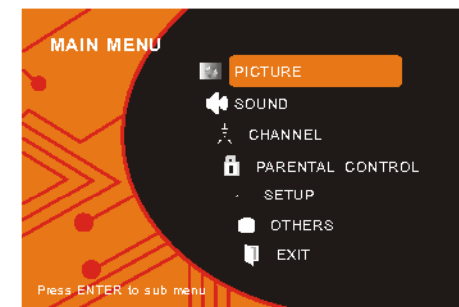
HDMI1   HDMI2

[Example]
Audio Amplifier
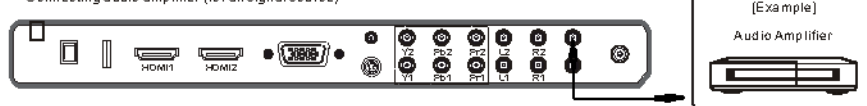
- If the external equipment has DVI output, you can connect it to the HDMI terminal using a HDMI-DVI cable. In case of using the HDMI-DVI cable, connect analog audio singnal to RGB/HDMI Analog Audio Input terminal.
- Please refer to the user manual of the external equipment for more information on the connection to the TV.
- Please disconnect all the power supplies to the equipment and TV before connection.
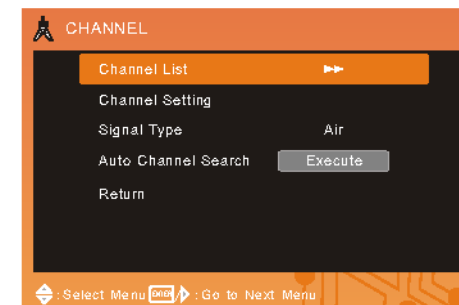
Main Menu

AUTO SEARCHING
The method to search and automatically store the available TV (including the traditional Analog NTSC and Digital ATSC TV stations) stations located in your area:

1.Press the SOURCE button on the top of TV repeatedly to set the input source to TV. (Or, press the SOURCE button on the remote control, the Source menu will appear on the screen. Press the Navigator▲▼ button to select and highlight TV then press ENTER button to enter to TV mode.)
2.Press the MENU button on the TV or remote control. The MAIN MENU will appear on the screen.

MAIN MENU

- PICTURE
- SOUND
- CHANNEL
- PARENTAL CONTROL
- SETUP
- OTHERS
- EXIT

Press ENTER to sub menu

Channel

1.Press the Navigator▲▼button to select and highlight CHANNEL then press the ENTER button to enter. The CHANNEL menu will appear on the screen.
2.Press the Navigator▲▼button to select and highlight the Signal Type then press the Navigator◀▶button to set the input signal type to Air or Cable as the RF connection of the TV.

CHANNEL

Channel List	▶▶
Channel Setting	
Signal Type	Air
Auto Channel Search	Execute
Return	

Select Menu   Go to Next Menu

Auto Channel Search

Notes:
1. Set to Air if you are connecting the TV to the antenna to receive the TV broadcasting over the air.
2. Set to Cable if you are connecting the TV to a Cable TV Converter.
*Press the Navigator▲▼ button to select and highlight Auto Channel Search then press the ENTER button to Execute. The TV will start searching all the available Analogue and Digital TV stations and store them in the Channel List.
*When finished searching, press the MENU button to exit. Press the P∧∨ button to select the stored TV program as desire.

AUTO CHANNEL SEARCH

Now Searching... Please Wait...

MENU:STOP SEARCH   EXIT:EXIT

Analog Channels Found: 0

Digital Channels Found: 0