

ATTACHMENT E -1.

- USER'S MANUAL -

HYUNDAI

LCD TV

Operating instructions

HQL260WR



U.S.A.

U.S.FEDERAL COMMUNICATIONS COMMISSION RADIO FREQUENCY INTERFERENCE STATEMENT INFORMATION TO THE USER

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 of a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for assistance.

Changes or modification not expressly approved by the party responsible for Compliance could void the user's authority to operate the equipment.

Connecting of peripherals requires the use of grounded shielded signal cables.

LCD TV

A Wide Array of Screen Settings

You can choose different screen settings depending on the type of program you are watching or the surrounding conditions (the lighting or the outside weather conditions). You can switch among the Sports, Movies, Music and Normal options , or you can configure the screen settings yourself.

A Wide Array of Sound Settings

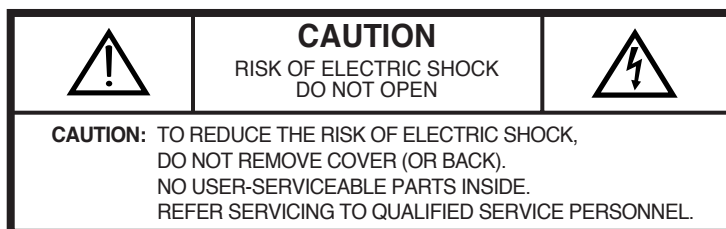
You can choose an optimal sound setting for the type of program you are watching. You can switch among the Music, Movie, News and Normal options , or you can configure the settings yourself.

Favorite Channel Memory

You can store your favorite channels in the order of preference for easy channel selection.

Captions

When you watch a captioned program, you can turn the caption option on to see English text on te screen. This feature also works with video CDs or videotapes with captions.



This symbol 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.

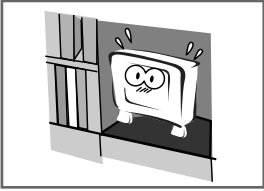


This symbol is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

WARNING

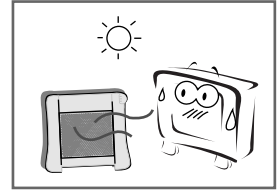
To reduce the risk of fire or shock hazard, do not expose the TV to rain or moisture.

Safety Instructions



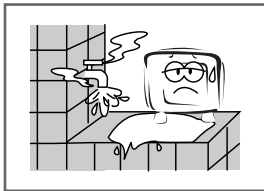
The unit should not be placed in a built-in installation such as a book-case, limited space rack unless proper ventilation is provided.

- This may cause fire by overheating or damage the unit by falling.



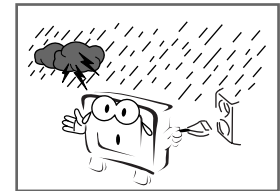
Do not use the unit in direct sunlight and keep it away from heaters, stoves, and other sources of heat.

- This may cause a fire.

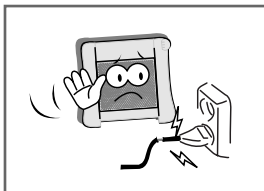


Do not use the unit near water, oil or inflammables.

- This may cause a fire.

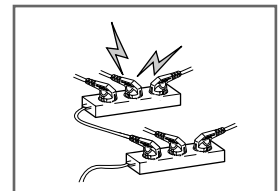


During storm conditions (especially when there is lightning) unplug your TV set from the main electrical outlet and antenna.



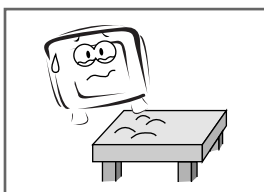
Do not use a damaged plug and do not let the power cord touch a heat source.

- This may cause an electric shock or fire.



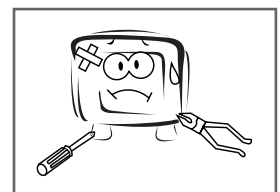
Do not connect too many extension cords or plugs to an outlet.

- This may cause a fire.



Place the unit on a flat and stable surface.

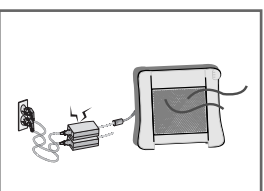
- The unit can cause injury or damage the unit by falling.



Do not attempt to service the unit.

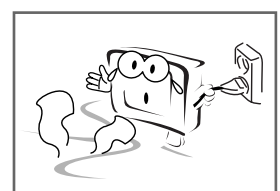
Contact an authorized dealer or repair service.

- Servicing the unit yourself may cause an electric shock or fire.



Keep the power adapter away from any heat source.

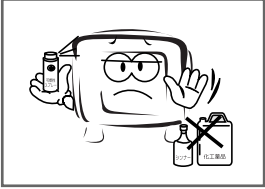
- This may cause a fire.



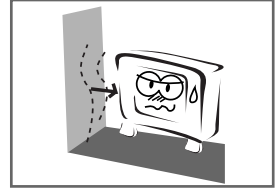
If there are any unusual sounds or smells coming from the unit, unplug it immediately and contact an authorized dealer or repair service.

- This may be caused by an electric shock or fire.

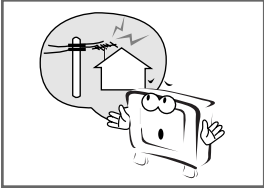
Safety Instructions



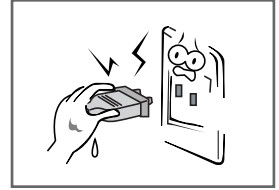
Do not use or store inflammable substances near the unit
- This may cause an explosion or fire.



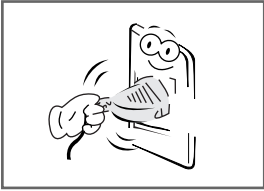
Place the unit away from the wall for well ventilation.
- This may cause a fire.



Place the antenna away from the electric wire, not to touch even though it falls down by wind.
- This may cause an electric shock.



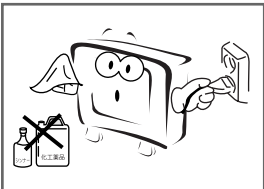
Do not touch the plug with wet hands.
- This may cause an electric shock.



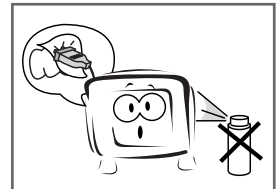
Be sure to plug in tightly and hold the plug, not the cord when disconnecting the plug from the wall outlet.
- This may cause a fire.



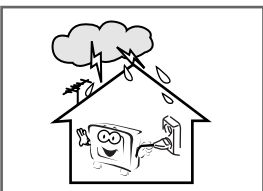
If an outside antenna is connected to the unit, do not let the rain water get into the unit by bending or antenna wire sealing
- This may cause an electric shock or fire.



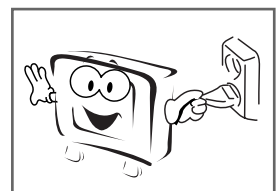
Unplug the unit from the wall outlet before cleaning. Use a smooth cloth. Do not use industrial chemicals.
- This may cause an electric shock or fire.



If the connector between the plug and the pin is dusty or dirty, clean it. Do not spray detergent directly on the unit.
- This may cause an electric shock or fire.



Do not touch the antenna wire and disconnect the plug from the electrical outlet during storms or lightening.
- This may cause an electric shock or fire.



Disconnect the plug from the outlet if it is not used for a long period of time.
- This may cause an electric shock or fire.

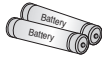
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Unpacking your TV

Please make sure the following items are included with your TV set.
if any items are missing, contact your dealer.

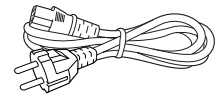
Accessories



Remote Control & Batteries (AAA x 2)



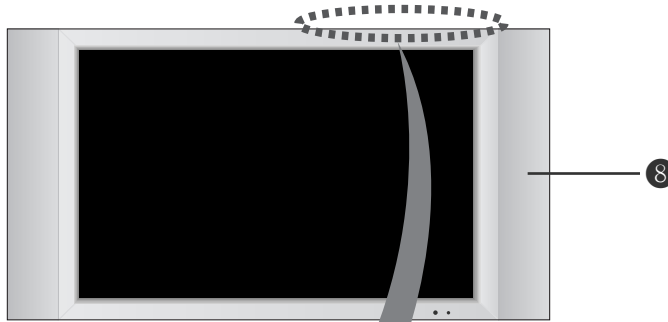
Operating Instructions



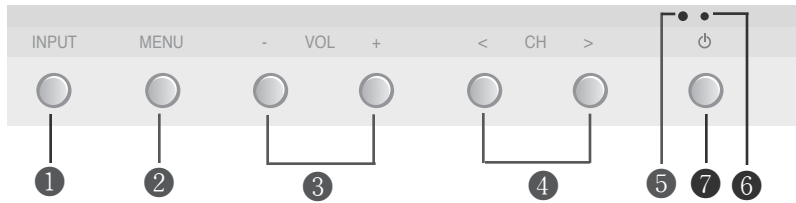
Power Cord

Viewing the Control Panels

Front View



TOP Side



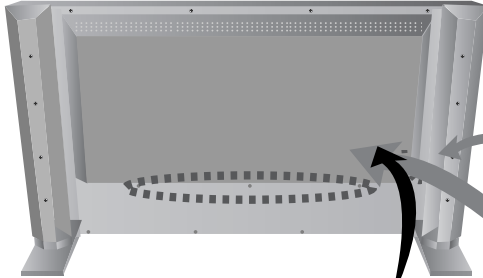
- ① Input source selection button
- ② MENU selection button
- ③ Volume adjustment button
- ④ Channel selection button
- ⑤ Remote control sensor
- ⑥ Power Indicator
- ⑦ Power button
- ⑧ Speaker

Power Indicator Status

Indicator	Status
Red	Stand-by
Green	Power on
Green blinking	Remote control

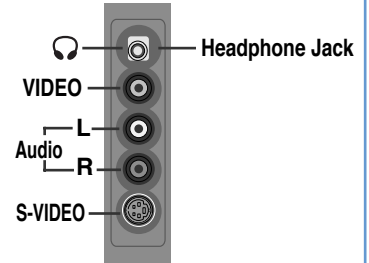
Viewing the Control Panels

Rear View



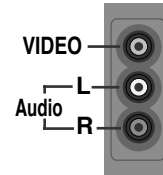
Right Side 1

AV2 INPUT



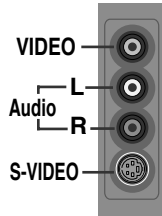
Right Side 2

AVOUT

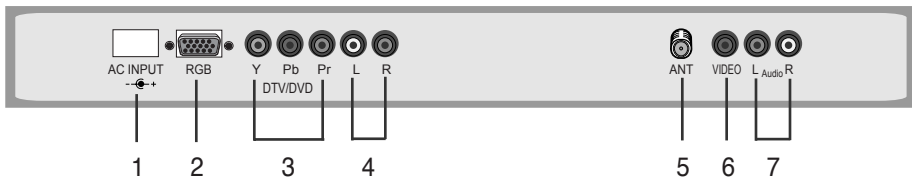


Right Side 3

AV3 OUT



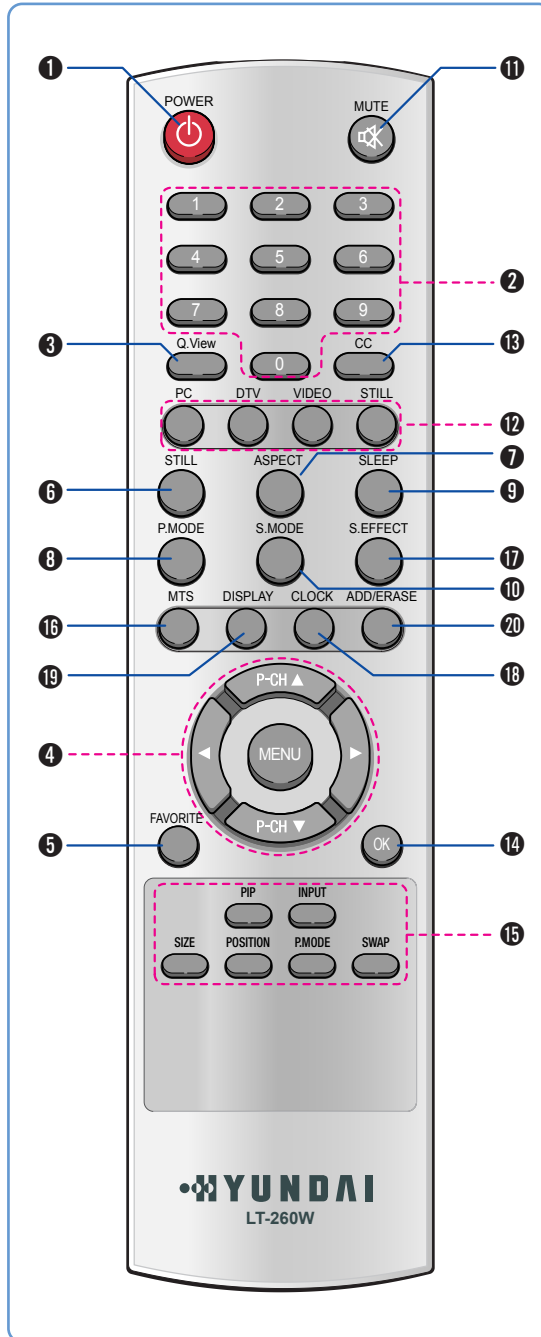
Bottom Side



1. AC INPUT
2. RGB Video Input Connector (PC)
3. DTV/DVD Video (Y/Pb/Pr) Input
4. DTV/DVD Audio Input(L/R)
5. Antenna Input Jack
6. AV1 VIDEO Input
7. AV1 AUDIO Input(L/R)

Remote Control

- ① Power On/Off button
- ② Numeric buttons
- ③ Previous Channel
- ④ ON Screen Display and MENU
▲ and ▼(Channel Up / Down)
▶ and ◀ (Volume Up / Down)
- ⑤ Favorite Channel Selection (See page 27)
- ⑥ Picture Still (See page 31)
- ⑦ Picture Size Selection (See page 31)
- ⑧ Picture Mode Selection (See page 19)
- ⑨ Sleep Timer (See page 24)
- ⑩ Sound Mode Selection (See page 20)

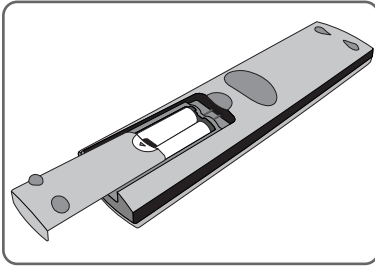
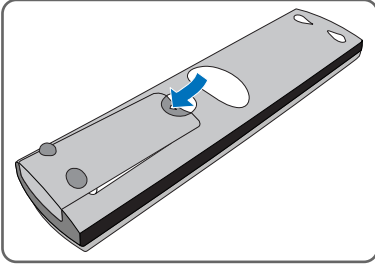


- ⑪ Temporary Sound Mute
- ⑫ External Source Input Selection (See page 13)
- ⑬ Closed Captions (See page 25)
- ⑭ MENU Confirmation
- ⑮ PIP Functions: (See page 29~30)
-PIP On/Off
-Position Selection (Position)
-Size Selection (Size)
-Picture Mode Selection (P.Mode)
-Swapping main and sub picture (Swap)
-Selecting the Input Source(INPUT)
- ⑯ Sound Selection : Mono/Stereo/SAP (See page 22)
- ⑰ Sound Effect Selection (See page 22)
- ⑱ Clock Display (See page 23)
- ⑲ TV Information Display (See page 28)
- ⑳ Add or Erase Channels in the TV's Memory (See page 14)

- ☞ - Makes sure there are no objects between the remote control and its sensor.
- Don't place the remote control near a heater or in damp place.
- A strong blow to the remote control may cause it not to operate.

Inserting Batteries in the Remote Control

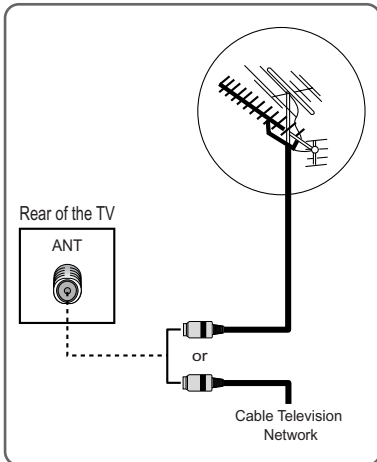
You must insert or replace the batteries in the remote control when you purchase the TV or when you find that the remote control is no longer operating correctly.



- 1 Insert two AAA-size batteries (supplied) by matching the + and - on the batteries to the diagram inside the battery compartment.
 - Handle the remote control with care; avoid dropping it, getting it wet, placing it direct sunlight, near a heater, or where the humidity is high .
 - Remove the batteries to avoid damage from possible battery leakage whenever you anticipate that the remote control will not be used for an extended period.

Connecting an Antenna or Cable

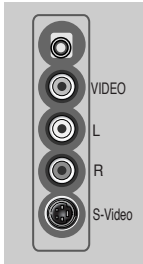
To view television channels correctly, a signal must be received by the set from one of the following sources: an outdoor antenna, a cable television system or a satellite dish.



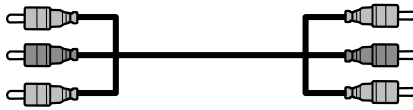
- 1 Connect the antenna or input cable to the 75 Ω coaxial input on the rear of the TV.
- 2 If you are using an indoor antenna, you may need to turn it when tuning your television until you receive a clear picture.

Connecting to the RCA or S-Video Input (AV1 or AV2)

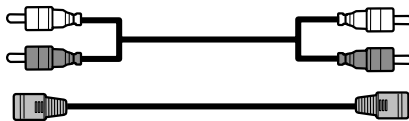
Rear of the TV



(A) For RCA Input



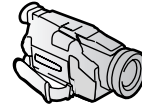
(B) For S-Video Input



VCR



Camcorder



Video game device



(A) For RCA Input

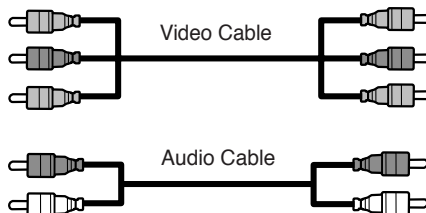
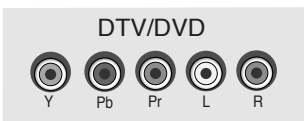
1. Connect the RCA cable to the input jacks (Video+ Audio L/R of AV1 or AV2) on the TV and output jacks on the external equipment such as a VCR, camcorder and some Video game devices.

(B) For S-Video Input

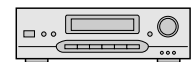
1. Connect the S-Video/RCA (audio L/R of AV1 or AV2) cable to the input jacks on the TV and output jacks on the external equipment such as a VCR, camcorder and some video game devices.
2. If the external equipment has mono audio output, connect it only to left jack of the Audio Input/Output.

Connecting to a DVD or DTV Set-Top Box INPUT

Rear of the TV

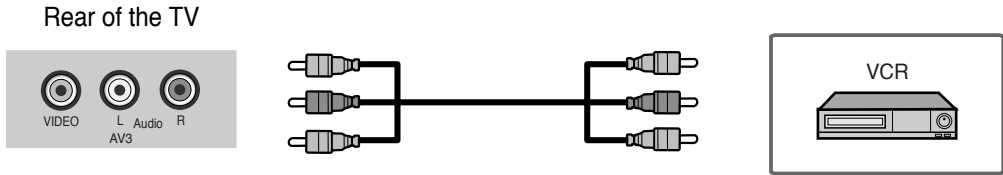


DVD/DTV STB



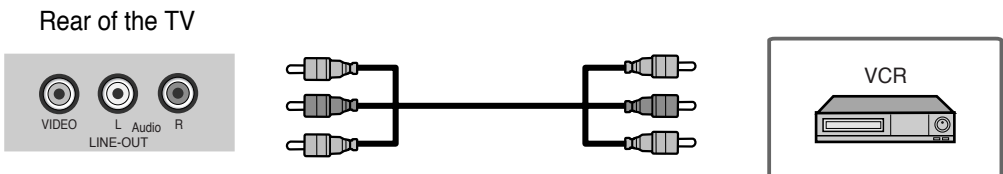
1. Connect the video cables to the Y, Pb, Pr input jacks (DTV/DVD) on the TV and the Y, Pb, Pr output jacks on the DVD or DTV Set-Top Box.
2. Connect the audio cables to the Audio L/R input jacks (DTV/DVD) on the TV and the Audio output jacks on the DVD or DTV Set-Top Box.

Connecting to the RCA Input (AV3)



1. Connect the RCA cable to the input jacks (Video+ Audio L/R of AV3) on the TV and output jacks on the VCR.
2. If the external equipment has mono audio output, connect it only to left jack of the Audio Input/Output.

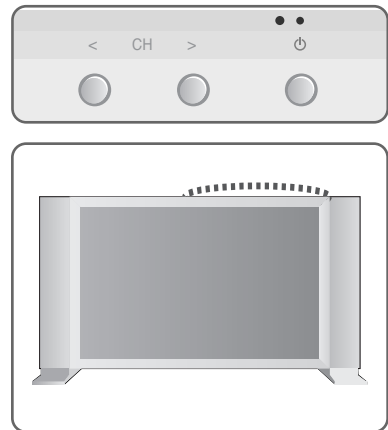
Connecting a Second VCR to Record from the TV(LINE-OUT)



- Your TV can send out signals of its picture and sound to be recorded by a second VCR. To do this, connect your second VCR as follows:
(The VCR input jacks might be either on the front or on back of the VCR.)
1. Connect a set of audio cables between the AUDIO OUT jacks on the TV and the AUDIO IN jacks on the VCR.
 2. Connect a video cable between the VIDEO OUT jack on the TV and the VIDEO IN jack on the VCR.
- Refer to your VCR's instructions for more information about how to record using this kind of connection.

Connecting the Power Cord and Switching the TV On / Off

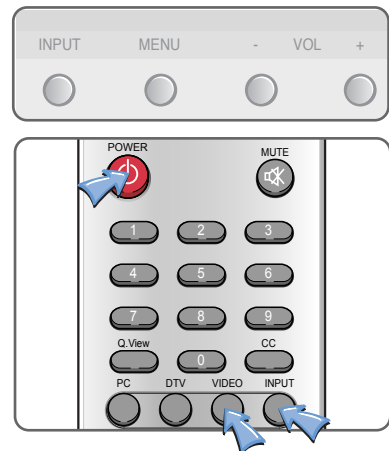
- 1 Connect the AC Power cord to AC input.
- 2 Connect the power cord for your TV to the power input on the back of your TV.
- 3 Plug the power cord for the TV into a nearby outlet.
- 4 Press the **POWER**, **CH** or **INPUT** button on the front panel of your set or press the **POWER** (Power), **CHANNEL** (▲▼), **INPUT** (INPUT), or **Number** (0~9) button on the remote control. The LED lamp will blink and your TV will be turned on.
- 5 To switch your TV off, press the **POWER** (Power) button again



Selecting a Picture from External Sources

After your various systems (audio and video) have finished, you can view any of the sources by selecting the appropriate external input.

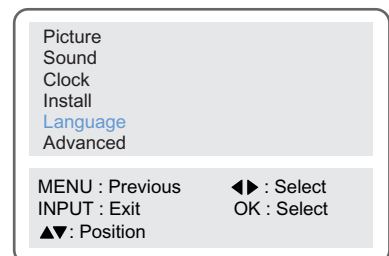
- 1 Make sure all the necessary connections have been made.
- 2 Press the **POWER** (Power) button to switch the device on.
- 3 Select the favorite source by pressing the **INPUT** button one or more times.
 - The Input Source (INPUT) is displayed in following order :
TV → AV1 VIDEO → AV1 S-VHS → AV2 VIDEO → AV2 S-VHS → AV3 VIDEO → DTV → PC → TV
 - The Video (VIDEO) is displayed in the following order :
TV → AV3 VIDEO → AV2 S-VHS → AV2 VIDEO → AV1 S-VHS → AV1 VIDEO → TV



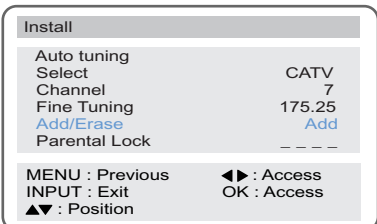
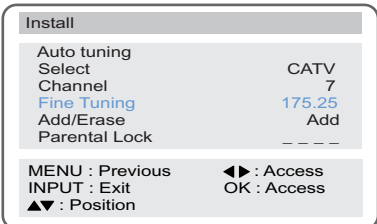
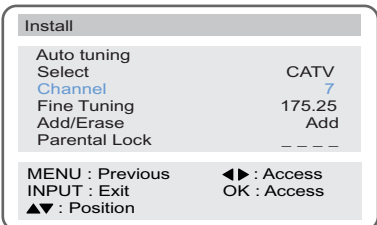
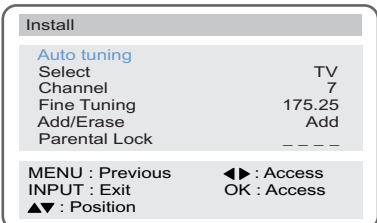
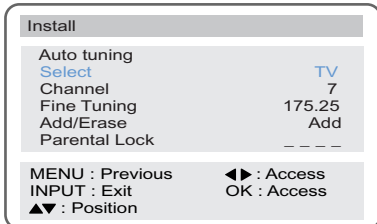
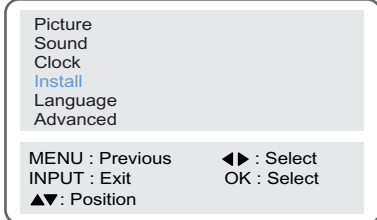
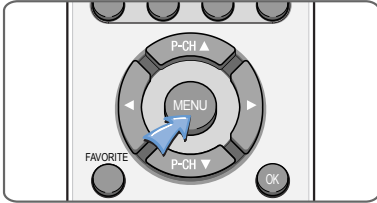
Selecting your Language

When you start using your TV for the first time, you must select the language in which to display all on-screen menus.

- 1 Press the **MENU** button.
- 2 Press the (▲▼) button to select the **Language** and then press the **OK** or (▶) button.
- 3 Select the appropriate language by pressing the (▲▼) button and then press the **OK** or (▶) button.
- 4 Press the **MENU** button to return to the previous menu.



Storing Channels in Memory



- 1 Press the **MENU** button.
- 2 Press the (▲▼) button to select **Install** group and press the (◀▶) or **OK** button.
- 3 To Select the type of signal source that is connected to the TV.
 - Move to **Select** by pressing (▲▼) button and select **TV** or **CATV** by pressing (◀▶) button.
- 4 Press the (▲▼) button to select **Auto tuning**, and press the (◀▶) or **OK** button.
 - You can stop the Auto tuning by pressing the **MENU** button during auto tuning.
 - When the Auto tuning is finished, screen will be changed to normal viewing screen automatically.

📡 Use the Auto tuning during a broadcast after connecting the antenna.
- 5 Press the (▲▼) button to select **Channel** and press the (◀▶) button. The channels will be stored one by one.
- 6 If you have picture noise on step 3, Press the (▲▼) button to select **Fine Tuning** and press the (◀▶) button to adjust the frequency manually.
- 7 Add or erase the channels from the channel you scanned.
 - Move to **Channel** by pressing (▲▼) button and select channel by pressing (◀▶) button.
 - Move to **Add/Erase** by pressing (▲▼) button and select **Add** or **Erase** by pressing (◀▶) button.

📡 You can get the same result by pressing the (Add/Erase) button on the remote control.

Setting the Parental Lock

- 1 Press the **MENU** button.
- 2 Press the (▲▼) button to select the **Install** group and press the (◀▶) or **OK** button.
- 3 Press the (▲▼) button to select the **Parental Lock** and Enter your 4-digit password.

🔑 The default password for a new TV set is "0119".

- 4 Press the (◀▶) button to set **Parental Lock**.
You can select these options in the following order.
Off → **Child** → **Youth** → **Young Adult** → **Custom**
- Off** : Parental lock is disabled. All programs are unblocked from viewing.
Child : The permitted Maximum ratings are TV-Y, TV-G, G.
Youth : The permitted Maximum ratings are TV-PG, PG.
Young Adult : The permitted Maximum ratings are TV-14, PG-13.
Custom : Select to set ratings manually.

Setting up restrictions using the MPAA ratings system.

- 1 Press the **MENU** button.
- 2 Press the (▲▼) button to select **Install** group and press the (◀▶) or **OK** button.
- 3 Press (▲▼) button to select the **Parental Lock** and Enter your 4-digit password.
- 4 Press the (▲▼) button to select the **Movie Rating** and press the (◀▶) button to set the restriction ratings.
You can select these options in the following order.
G → **PG** → **PG-13** → **R** → **NC-17** → **X** → **Unblock**

G : All children and General audience.

PG : Parental guidance suggested.

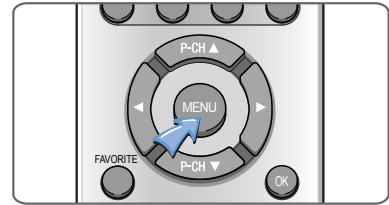
PG-13 : Parental guidance for children under 13.

R : Restricted viewing, parental guidance is suggested for children under 17.

NC-17 : No children under age 17.

X : Adults only.

Unblock : Not rated.



Picture
Sound
Clock
Install
Language
Advanced

MENU : Previous ◀▶ : Select
INPUT : Exit OK : Select
▲▼ : Position

Install

Parental Lock	Off
Movie Rating	PG-13
General	TV-14
Children	Unblock
Content Block	
Not Rated	Unblock
AV Sources	Unblock
Change Password	----

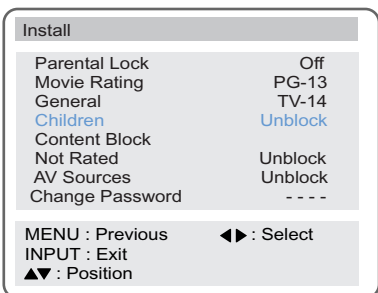
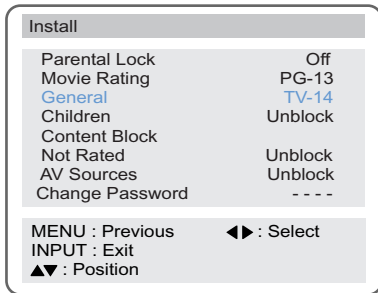
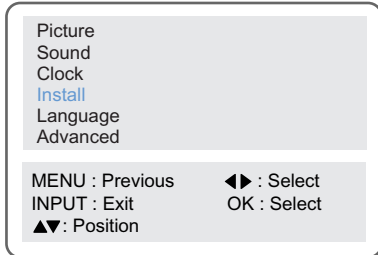
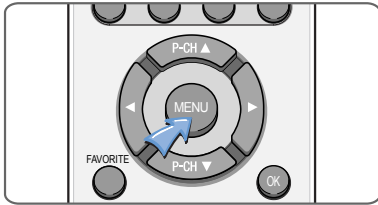
MENU : Previous ◀▶ : Select
INPUT : Exit
▲▼ : Position

Install

Parental Lock	Off
Movie Rating	PG-13
General	TV-14
Children	Unblock
Content Block	
Not Rated	Unblock
AV Sources	Unblock
Change Password	----

MENU : Previous ◀▶ : Select
INPUT : Exit
▲▼ : Position

Setting the Parental Lock



Setting up restrictions using the TV guidelines (Age-Based)

- 1 Press the **MENU** button.
- 2 Press the (▲▼) button to select **Install** group and press the (◀▶) or **OK** button.
- 3 Press (▲▼) button to select the **Parental Lock** and Enter your 4-digit password.

- 4 Press the (▲▼) button to select the **General** and press the (◀▶) button to set the restriction ratings.

You can select these options in the following order.

TV-G → **TV-PG** → **TV-14** → **TV-MA** → **Unblock**

TV-G : General audience.

TV-PG : Parental guidance suggested.

TV-14 : Parents strongly cautioned.

TV-MA : Mature audience.

Unblock : Not rated.

TV Program for Children

- 1 Press the **MENU** button.
- 2 Press the (▲▼) button to select **Install** group and press the (◀▶) or **OK** button.
- 3 Press (▲▼) button to select the **Parental Lock** and Enter your 4-digit password.

- 4 Press the (▲▼) button to select the **Children** and press the (◀▶) button to set the restriction ratings.

You can select these options in the following order.

TV-Y → **TV-Y7** → **Unblock**

TV-Y : Young children.

TV-Y7 : Child 7 and over.

Unblock : Not rated.

Setting the Parental Lock

Setting up restrictions using the TV guidelines (Content -Based)

- 1 Press the **MENU** button.
- 2 Press the (▲▼) button to select **Install** group and press the (◀▶) or **OK** button.
- 3 Press (▲▼) button to select the **Parental Lock** and Enter your 4-digit password.
- 4 Press the (▲▼) button to select the **Content Block** and press the (◀▶) button.
- 5 Press the (▲▼) button to select sub-rating mode of content Block.
Press the (◀▶) button.

You can select one of the restriction ratings in the each sub-rating mode.

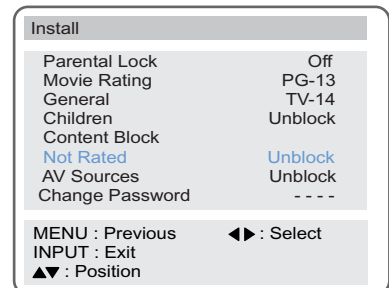
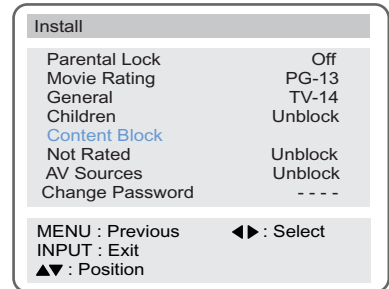
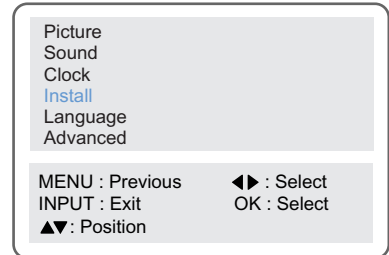
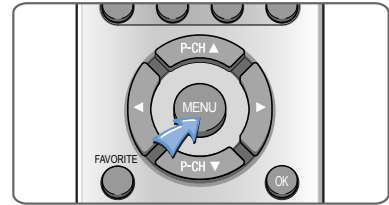
Sub-ratings	Restrictive ratings
F Violence	TV- Y7 → Unblock
Dialogue	TV- PG → TV-14 → Unblock
Language	TV- PG → TV-14 → TV-MA → Unblock
Sex. Scenes	TV- PG → TV-14 → TV-MA → Unblock
Violence	TV- PG → TV-14 → TV-MA → Unblock

Block/ Unblock of Not rated program

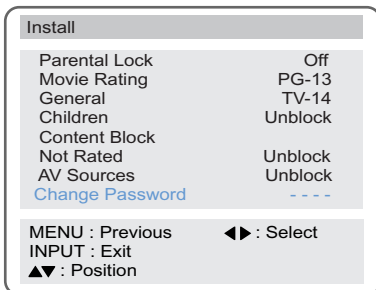
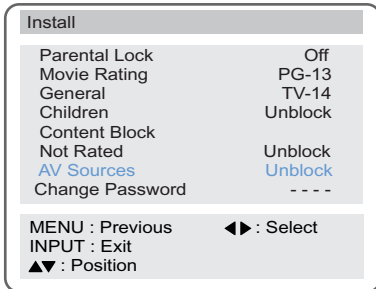
- 1 Press the **MENU** button.
- 2 Press the (▲▼) button to select **Install** group and press the (◀▶) or **OK** button.
- 3 Press (▲▼) button to select the **Parental Lock** and Enter your 4-digit password.
- 4 Press the (▲▼) button to select the **Not rated** and press the (◀▶) button to set Block/ Unblock.

Block : When TV signal or movies display without restriction ratings, TV or Movies signal will be blocked, and a blank screen will be displayed.

Unblock : When TV signal or movies display without restriction ratings, All signals will be unblocked, and you can view any other program



Setting the Parental Lock



Block/ Unblock the AV Sources

- 1 Press the **MENU** button.
- 2 Press the (▲▼) button to select **Install** group and press the (◀▶) or **OK** button.
- 3 Press (▲▼) button to select the **Parental Lock** and Enter your 4-digit password.
- 4 Press the (▲▼) button to select the **AV Sources** and press the (◀▶) button to set **Block/ Unblock**.
Block : Blocks all AV sources.
Unblock : Unblock all AV sources.

Changing the Password

- 1 Press the **MENU** button.
- 2 Press the (▲▼) button to select **Install** group and press the (◀▶) or **OK** button.
- 3 Press (▲▼) button to select the **Parental Lock** and Enter your 4-digit password.
- 4 press the (◀▶) button to select the **change password** and Enter you new password. (4-digit)

Customizing the Picture

You can select an appropriate picture mode by pressing the (▶) button in Picture mode.

- 1 Press the **MENU** button.
- 2 Press the (▲▼) button to select the **Picture** group and press the (◀▶) or **OK** button.
 - Pre-set mode will be displayed.

- 3 The picture mode will change whenever you press the (◀▶) button.

- Standard** : Select when it is bright around the TV.
- Sports** : Select when you want to get a clearer picture or watch sports.
- Natural** : Select when viewing movies or live music.
- Mild** : Select when it is dark around the TV or at night.
- Custom** : Select if you want to adjust the settings manually.

Otherwise, if you are viewing contents of the PIP function, whenever you press the (PMode) button, the picture mode will change as above.

☞ You can get the same result by pressing the (PMode) button on the remote control.

- 4 Press the (▲▼) button to move to the **MENU** that you wish to adjust.
- 5 Press the (◀▶) button to adjust

- Contrast** : Adjusts the clarity of the whole screen
- Brightness** : Adjusts the brightness of the whole screen
- Sharpness** : Corrects the contours of the image
- Color** : Adjusts the color saturation of the image
- Tint** : Adjusts the colors of the image

☞ If you adjust the TV in step 5 while it is in Standard, Sports, Natural or Mild mode, the mode will change to Custom mode.

