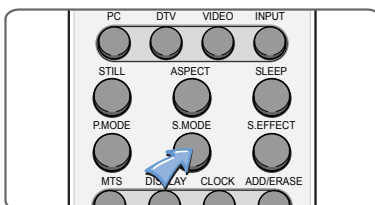
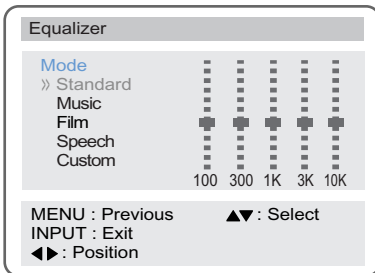
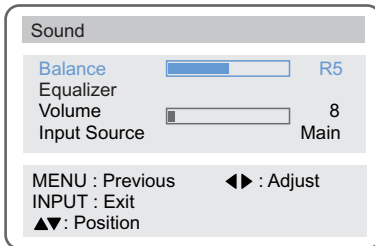
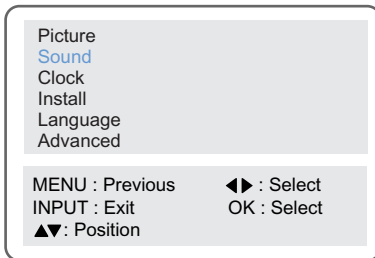
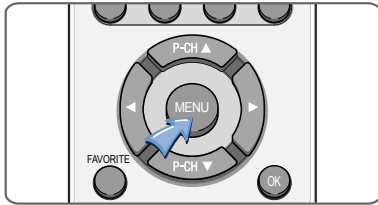


ATTACHMENT E -2.

- USER'S MANUAL -

Customizing the Sound



- 1 Press the **MENU** button.
- 2 Press the (▲▼) button to select the **Sound** group and press the (◀▶) or **OK** button.
- 3 Press the (▲▼) button to select **Balance** and press the (◀▶) button to adjust the sound balance.
- 4 Press the (▲▼) button to select **Equalizer** and press the (◀▶) button.
- 5 Press the (▲▼) button to select the sound mode according to the type of image being watched. Sound mode will be change in the following order.
Standard → Music → Film → Speech → Custom

Standard : This is good for any picture.

Music : Select when you listen to music, videos or concerts.

Film : Select when you watch the a movie.

Speech : Select when you listen to speeches or news.

Custom : Select when you want to adjust the setting manually.

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

- 6 Press the (▲▼) button to select **Custom** and press the (◀▶) button to select the frequency that you want to adjust. The frequency range will be selected as following order.

100 → 300 → 1K → 3K → 10K

- 7 Press the (▲▼) button to adjust.

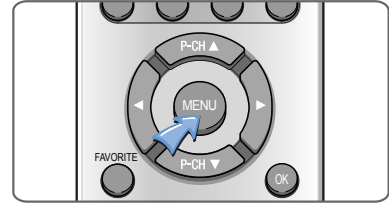
☞ If you adjust the frequency (100Hz, 300Hz, 1KHz, 3KHz, 10KHz) in Standard, Music, Film, Speech, or Custom mode, the mode will change to Custom mode.

Adjusting the Speaker Volume & Selecting the Speaker Sound Source

- 1** Press the **MENU** button.
- 2** Press the (▲▼) button to select the **Sound** group and press the (◀▶) or **OK** button.
- 3** Press the (▲▼) button to select **Volume** (speaker).
- 4** Press the (◀▶) button to adjust the speaker volume.
- 5** Press the (▲▼) button to select the **Input Source** of the speaker.
- 6** Press the (▲▼) button to select the sound source of the speaker.

Main → PIP → TV → AV1 → AV2 → DTV

- ☞ - You will have sound only through the headphones, not the speakers, if you connect headphones. (mute)
You can adjust the headphones' volume by pressing the (◀▶) button.
- You can listen to the main picture's sound when the PIP is off even if you select PIP mode sound.
- ☞ When you would like to have sound through the headphones, if you connect a set of headphones to your TV, the volume level will be decreased automatically without concerning the previous volume setting.



Picture
Sound
Clock
Install
Language
Advanced

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

Sound

Balance R5
Equalizer
Volume 8
Input Source Main

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

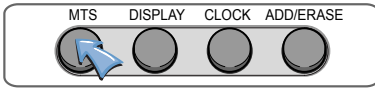
Sound


Balance R5
Equalizer
Volume 8
Input Source Main

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


Listening to Stereo Sound / SAP

Depending on the particular program being broadcast, you can listen to stereo, mono, or a Secondary Audio Program. (SAP audio is usually a foreign-language translation. Sometimes SAP has unrelated information like news or weather.)



- ① Displays present received sound state.
- ② When you select sound options using the () button.

Listening to Stereo Sound / Secondary Audio Program

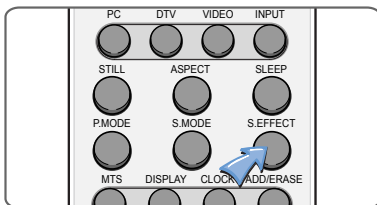
- 1 You can select sound options (**Mono**, **Stereo**, **SAP**, **Mono+SAP**) depending on the broadcasting signal by pressing () button on the remote control.
 - Choose **Stereo** for channels that are broadcasting in stereo.
 - Choose **Mono** for channels that are broadcasting in mono, or if you are having difficulty receiving a stereo signal.
 - Choose **SAP** to listen to the Secondary Audio Program, which is usually a foreign-language translation.


Broadcasting \ Option	M	S	SAP	M+SAP
M	M	M	M	M
S	M	S	M	S
M+SAP	M	M	SAP	M+SAP
S+SAP	M	S	SAP	M+SAP

S : Stereo
 M : mono
 SAP : Secondary Audio Program
 M + SAP : Mono + SAP
 S + SAP : Stereo + SAP

Setting the Sound Effect

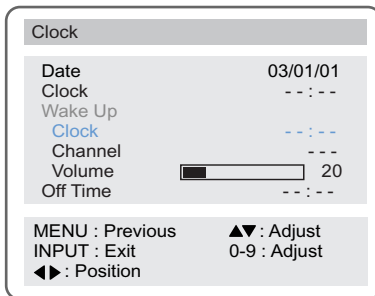
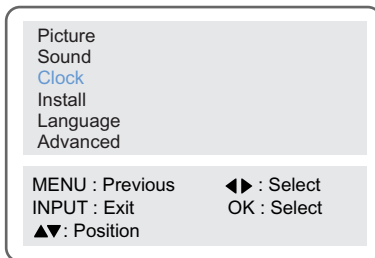
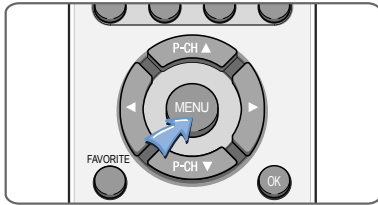
You can adjust this only with the remote control.



- 1 Press the () button on the remote control to select **Off**, **Pseudo** or **Surround**.
 - **Off**, **Pseudo** or **Surround** will be selected in turn whenever you press this button.
- Off** : Turn off the sound effect.
Pseudo : You can listen to Pseudo stereo sound, which is created from Mono sound.
Surround : This features allows the TV's L/R Speakers to provide a home Theater-like surround effect. The center and surround sounds are mixed into the L/R speakers.

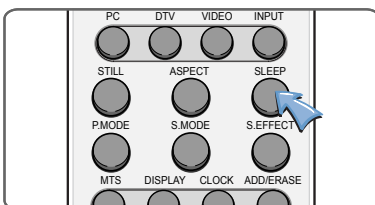
Setting the Preset Time (On / Off)

This function is available after you set the clock first.



- 1 Press the **MENU** button.
- 2 Press the (▲▼) button to select **Clock** and press the (◀▶) or **OK** button.
- 3 Press the (▲▼) button to select **Clock** in the **Wake up** mode and press the (◀▶) button to select the Hour or Minute.
- 4 Press the (▲▼) or **number** (0~9) buttons to adjust the Hour and Minute.
 - You can erase and reset the Hour and Minute by pressing the **OK** button.
- 5 Press the (▲▼) button to move to **Channel** and press the (◀▶) button.
- 6 Press the (▲▼) or **number** (0~9) button to select the channel.
 - You can erase and reset the channel by pressing the **OK** button.
- 7 Press the (▲▼) button to select **Volume** and press the (◀▶) button to adjust the volume.
- 8 Press the (▲▼) button to select **Off time**.
- 9 Press the (◀▶) button to move to the Hour or Minute. Press the (▲▼) or **number** (0~9) button to adjust the Hour or Minute and then press the (◀▶) button.
 - You can erase and reset the Hour and Minute by pressing the **OK** button.

Setting the Sleep Timer



- 1 Press the (Sleep) button.
 - Whenever you press this button the sleep timer will select times in the following order.

Sleep off → **Sleep5** → **Sleep10** → **Sleep20** → **Sleep30**
→ **Sleep60** → **Sleep90** → **Sleep120** → **Sleep180**.

Viewing the Closed Captions

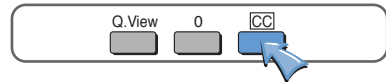
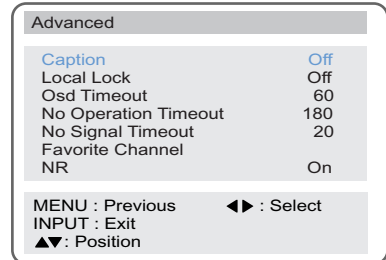
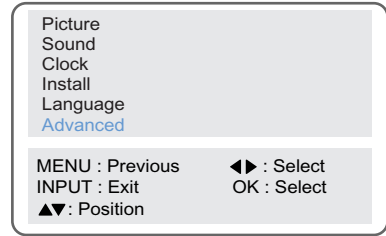
Setting the Closed Captions

- 1 Press the **MENU** button.
- 2 Press the (▲▼) button to select the **Advanced** group and press the (◀▶) or **OK** button.
 - The Advanced group are displayed with **Caption** selected.

- 3 Press the (◀▶) button to set the Closed Captions. You can select these options in the following order.

Off → **CC1** → **CC2** → **CC3** → **CC4** → **Text1** → **Text2** → **Text3** → **Text4**

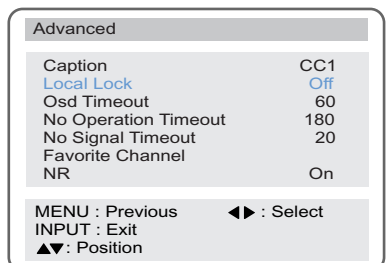
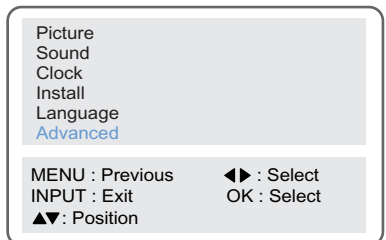
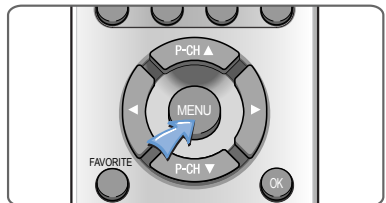
☞ You can get the same result by pressing the (CC) button on the remote control.



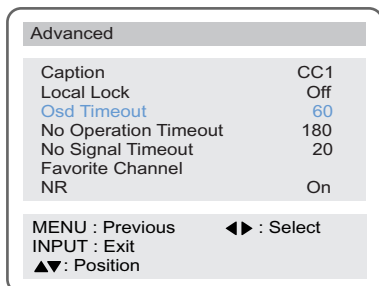
Setting Restrictions On Button Input

- 1 Press the **MENU** button.
- 2 Press the (▲▼) button to select the **Advanced** group and press the (◀▶) or **OK** button.
- 3 Press the (▲▼) button to select **Local Lock**.
- 4 Press the (◀▶) button to select **Off**, **Once** or **Always** and press the **MENU** button.
 - **Off** : With the lock function off, you can control the TV with both the remote control and the buttons on the TV.
 - **Once**: The lock function will turn off automatically after you turn the TV on/off once with the remote control.
 - **Always**: With the lock function always on, you can control the TV only with the remote control, not with the buttons on the TV.

☞ This function prevents children from controlling the TV when parents are not home. It is available after setting this function with the remote control.



Setting the OSD Display Time

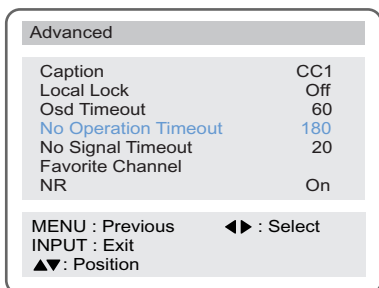


- 1 Press the **MENU** button.
- 2 Press the (▲▼) button to select the **Advanced** group and press the (◀▶) or **OK** button.
- 3 Press the (▲▼) button to select **Osd Timeout**.
- 4 Press the (◀▶) button to adjust the display time.
 - Whenever you press this button, you can adjust it in 5-second increments from 0 to 60 seconds.
- 5 If you finish setting the time, press the **MENU** button.

- ☞ - If you do not press the MENU button after adjusting the OSD timeout, the menu screen will disappear automatically after the set time.
- If you set 0, menu screen will not disappear automatically.

No Key Operation Auto Power Off

Automatically turns the power off if there is no button pressed for a period of time after AUTO Wake-Up turns the power on.



- 1 Press the **MENU** button.
- 2 Press the (▲▼) button to select the **Advanced** group and press the (◀▶) or **OK** button.
- 3 Press the (▲▼) button to select **No Operation Timeout**.
- 4 Press the (◀▶) button to adjust the auto power off time.
 - You can adjust it in 30-minute increments from 0 to 180 minutes.
(0 → 30 → 60 → 90 → 120 → 150 → 180)
 - If you set the time to 0, the TV will not use the auto power off function.

No Signal Auto Power Off

Automatically turns the power off if there is no broadcast signal or button pressed for some time.

- 1 Press the **MENU** button.
- 2 Press the (▲▼) button to select the **Advanced** group and press the (◀▶) or **OK** button.
- 3 Press the (▲▼) button to select **No Signal Timeout**.
- 4 Press the (◀▶) button to adjust the auto power off time.
 - You can adjust it in 1-minute increments from 0 to 20 minutes.
(0 → 1 → 2 →... 18 → 19 → 20)
 - If you set the time to 0, the TV will not use the auto power off function.

Advanced	
Caption	CC1
Local Lock	Off
Osd Timeout	60
No Operation Timeout	180
No Signal Timeout	20
Favorite Channel	
NR	On
MENU : Previous	◀▶ : Select
INPUT : Exit	
▲▼ : Position	

Watching your Favorite Channels



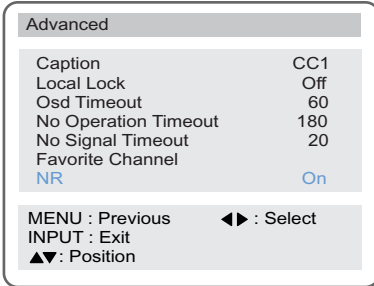
- 1 Press the **MENU** button.
- 2 Press the (▲▼) button to select the **Advanced** group and press the (◀▶) or **OK** button.
- 3 Press the (▲▼) button to select a **Favorite channel**.
- 4 Press the (▲▼) button to move the position and press the (◀▶) button to select Channel No, AV, etc.
 - You can select up to 5 Channel No, AV, etc.
You can direct select input sources by pressing the PC, DTV and VIDEO button or select them by pressing the ◀ or ▶ button.
The input sources are changed in following order.
Pr00 ↔ Pr99 ↔ AV1 VIDEO ↔ AV1 S-VHS ↔ AV2 VIDEO ↔ AV2 S-VHS ↔ DTV ↔ PC
also, you can direct input program No. by press numeric button (0~9).
 - You can delete the selection by pressing the **OK** button and pressing the **number** or (Q.View) buttons to select the channel.
 - The selection will switch whenever you press the **Favorite** button on the remote control.

Advanced	
Caption	CC1
Local Lock	Off
Osd Timeout	60
No Operation Timeout	180
No Signal Timeout	20
Favorite Channel	
NR	On
MENU : Previous	◀▶ : Select
INPUT : Exit	
▲▼ : Position	

Favorite Channel	
Ch	1
Ch	3
Ch	4
Ch	7
Ch	9
MENU : Previous	◀▶ : Adjust
INPUT : Exit	0-9 : Adjust
▲▼ : Position	

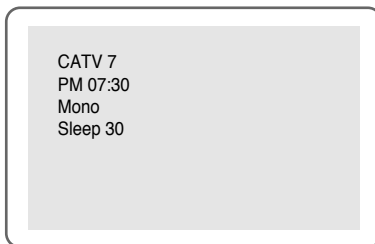
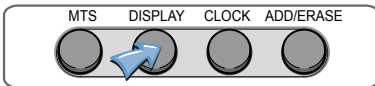
Reducing Picture Noise

Use this function when you have a bad image with the picture noise.






- 1 Press the **MENU** button.
- 2 Press the (▲▼) button to select the **Advanced** group and press the (◀▶) or **OK** button.
- 3 Press the (▲▼) button to select **NR**. Press the (◀▶) button to select **On**.
 - Whenever you press the (◀▶) button, the selection will switch between **On** or **Off**.

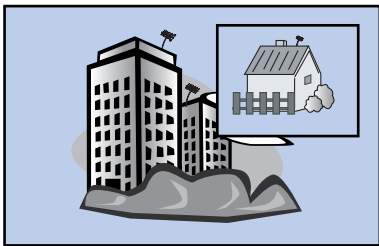
Displaying the TV Information



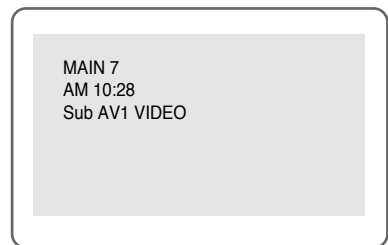
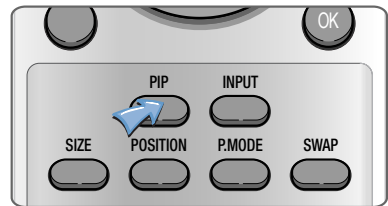
- 1 Press the (Display) button on the remote control to display the current channel, time, audio, and sleep timer setting.

Display the Picture in Picture (PIP)

- 1 Press the **PIP** () button. You will see the PIP in the at upper right corner.
- 2 Press the () button to select the external signal source for the PIP.
 - The external signal source will display whenever you press the () button.
(TV → AV1 VIDEO → AV1 S-VHS → AV2 VIDEO → AV2 S-VHS → DTV → PC)




☞ You can change the main picture channel by pressing the () button.

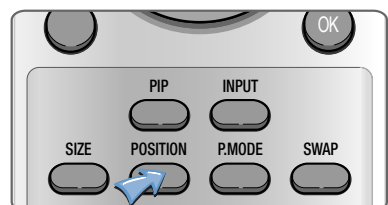
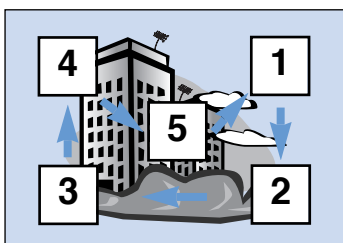


PIP

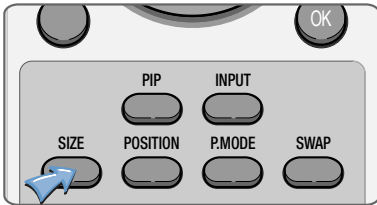
Main \ Pip	TV	VIDEO	S-Video	DTV	PC
TV	0	0	0	0	0
VIDEO	0	0	0	0	0
S-Video	0	0	0	0	0
DTV	0	0	0	X	X
PC	0	0	0	X	X

Changing the PIP Position


- 1 Press the () button on the remote control.
 - The PIP position will change among 5-positions whenever you press this button.

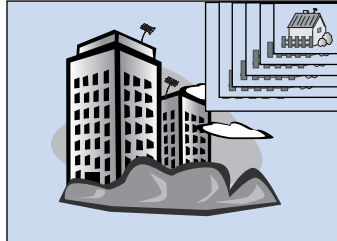


Display the Picture in Picture (PIP)




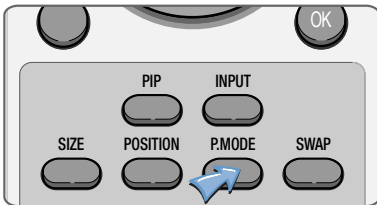
Changing the PIP Size

- 1 Press the () button on the remote control.
 - The PIP will change among 6 different sizes whenever you press this button.




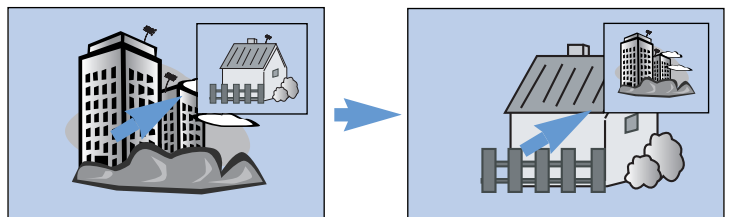
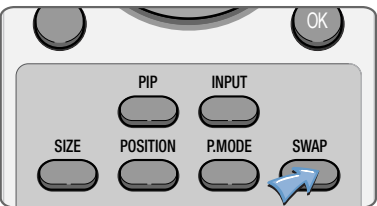
Changing the PIP Mode

- 1 Press the () button on the remote control.
 - The PIP mode will change whenever you press this button.
Standard → **Sports** → **Natural** → **Mild** → **Custom**



Swapping the Main & Sub-Picture

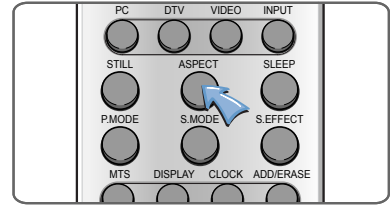
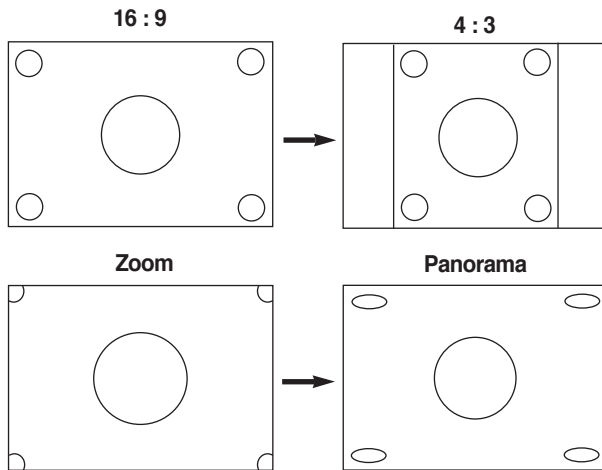
- 1 Press the () button on the remote controller.
 - The Main image and PIP image will switch with each other whenever you press this button.




Changing the Picture Size

1 Press the () button on the remote control.

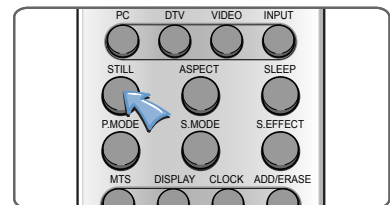
- When you are viewing watch the Main image:
The image will change as shown below whenever you press this button. (16:9 → 4:3 → Zoom → Panorama)
- When you are viewing the main and PIP images at the same time:
The PIP image will change only from 4:3 to 16:9.



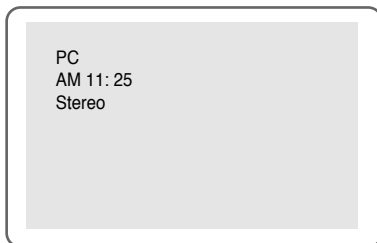
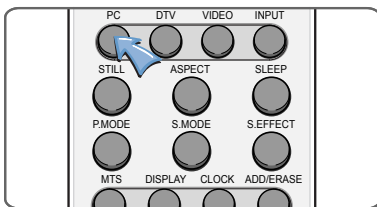
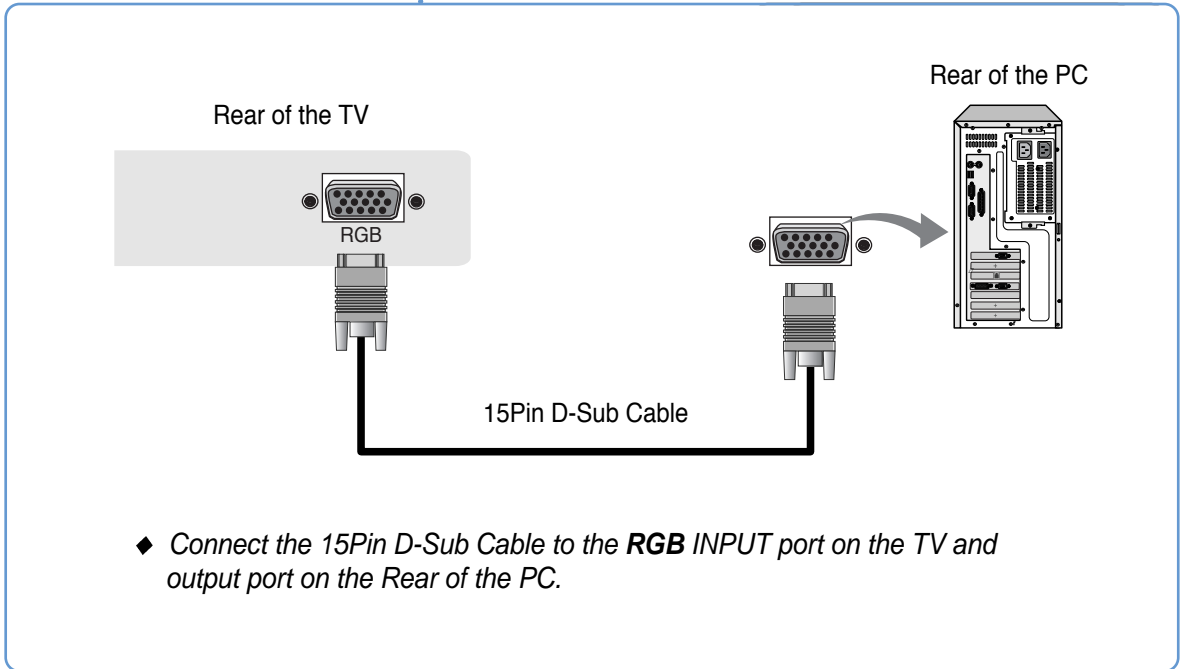
Displaying a Still Image

1 Press the **Still** () button on the remote control.

- The picture does not move but the sound plays normally.
- Press this button again if you want to go back to a normal picture.



Connecting to the PC



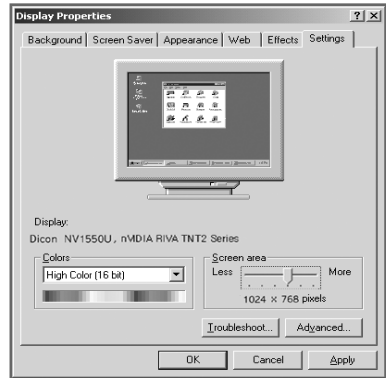
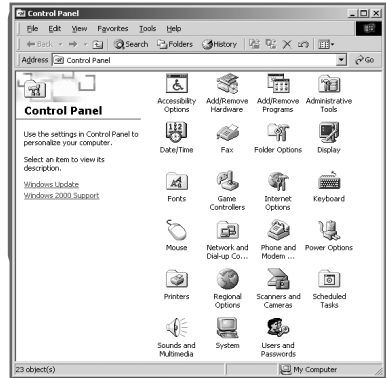
To use the TV as a PC Display

- 1 Turn the PC on.
- 2 Press the **PC** or (**INPUT**) button on the remote control to select the PC.
- 3 Set up the PC software. (See page 33)
- 4 Adjust the screen in PC Mode. (See page 34)

Setting the PC Software

- 1 First, click on Settings on the Windows start menu and click on "Control Panel".
- 2 Double click on the Display icon.
- 3 Click on the Settings tab on the display dialog-box.
- 4 Adjust the resolution to 1280x768 pixels.
- 5 Click the Advanced button and click the Monitor tab on the dialog-box. Set the vertical-frequency to 60Hz and then click the **OK** button.

- Maximum resolution depends on the Video Card.
- Maximum supported resolution is 1024 X 768 @ 75Hz ,
You can get the best picture at 1024 X 768@ 60Hz.
- There are 16,770,000 supported colors.



Adjusting the Screen Position

Geometry

Picture
Sound
Clock
Language
Advanced

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

Geometry

H. Position 0
V. Position 0
Phase 0
Factory Preset

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

Geometry

H. Position 0
V. Position 0
Phase 0
Factory Preset

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

Geometry

H. Position 0
V. Position 0
Phase 0
Factory Preset

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

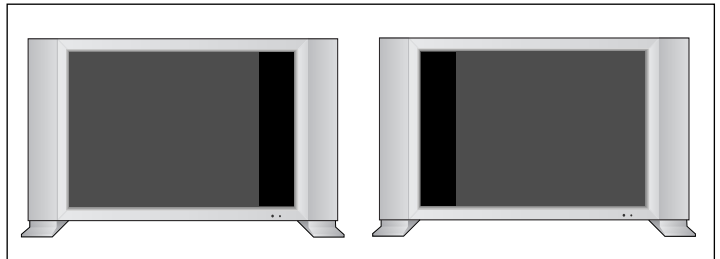
Geometry

H. Position 0
V. Position 0
Phase 0
Factory Preset

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

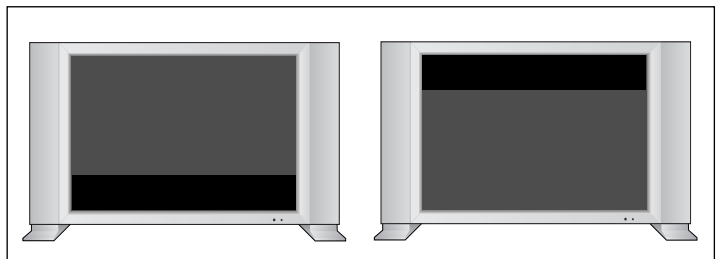
Adjusting the horizontal position

- 1 Press the **MENU** button.
- 2 Press the (▲▼) button to select the **Geometry** group and press the (◀▶) or **OK** button.
- 3 Press the (▲▼) button to select **H.Position**.
- 4 Move the PC screen to the right or left by pressing the (◀▶) button.



Adjusting the vertical position

- 1 Press the (▲▼) button to select **V.Position**.
- 2 Move the PC screen up or down by pressing the (◀▶) button.



Adjusting the phase

- 1 Press the (▲▼) button to select the **Phase**.
- 2 Press the (◀▶) button to adjust the Phase.

Reload Geometry Values

- 1 Press the (▲▼) button to select **Factory Preset**.
- 2 Press the (◀▶) button to set the Geometry the factory default settings.

Adjusting the Screen Color

Selecting the mode

- 1 Press the (◀▶) button to select the mode.
The modes will change in the following order.
Standard → Sports → Natural → Mild → Custom

Adjusting Contrast

- 1 Press the **MENU** button.
- 2 Press the (▲▼) button to select the **Picture** group and press the (◀▶) or **OK** button.
- 3 Press the (▲▼) button to select **Contrast**.
- 4 Press the (◀▶) button to adjust the contrast.
 - Press the (◀) button to make the color darker and the (▶) button to make it brighter.

Adjusting brightness

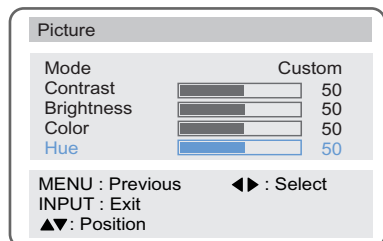
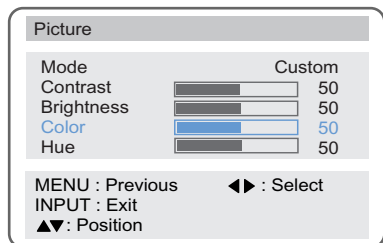
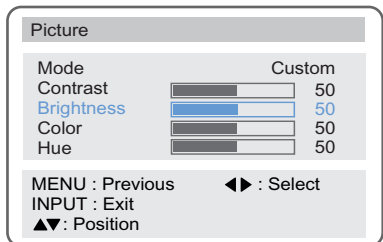
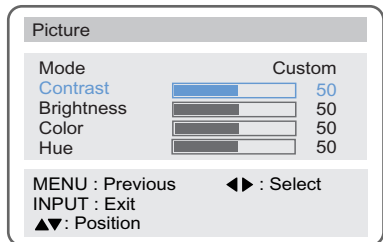
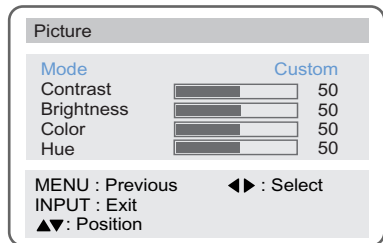
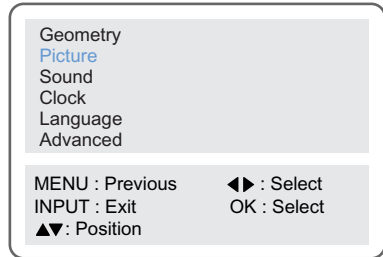
- 1 Press the (▲▼) button to select **Brightness**.
- 2 Press the (◀▶) button to adjust the brightness.
 - Press the (◀) button to make the image darker and the (▶) button to make it brighter.

Adjusting colour

- 1 Press the (▲▼) button to select **Color**.
- 2 Press the (◀▶) button to adjust the color.

Adjusting tint

- 1 Press the (▲▼) button to select **Hue**.
- 2 Press the (◀▶) button to adjust the tint.



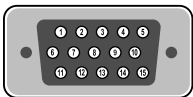
Standard Display Mode

If the signal from the system equals the standard signal mode, the screen will adjust automatically.

If the signal from the system does not equal the standard signal, adjust the display mode as shown below referring to your video card instructions. Otherwise there will be no picture or only power may turn on.

Resolution	Horizontal (KHz)	Vertical (Hz)	Clock Frequency (MHz)	Polarity (H/V)
VGA, 640 × 350	31.469	70.086	25.175	+ / -
VGA, 720 × 400	31.469	70.087	28.322	- / +
VGA, 640 × 480	31.469	59.940	25.175	- / -
VGA, 640 × 480	37.500	75.000	31.500	- / -
VGA, 640 × 480	37.861	72.809	31.500	- / -
SVGA, 800 × 600	37.879	60.317	40.000	+ / +
SVGA, 800 × 600	46.875	75.000	49.500	+ / +
SVGA, 800 × 600	48.077	72.188	50.000	+ / +
XGA, 1024 × 768	48.363	60.004	65.000	- / -
XGA, 1024 × 768	56.476	70.069	75.000	- / -
XGA, 1024 × 768	60.023	75.029	78.750	+ / +

PC Input Connector (D-sub 15Pin)



Pin	PC IN
1	Red (R)
2	Green (G)
3	Blue (B)
4	Grounding
5	Grounding (DDC)
6	Red (R) Grounding
7	Green (G) Grounding
8	Blue (B) Grounding
9	Reserved
10	Sync Grounding
11	Grounding
12	Data (DDC)
13	Horizontal Sync
14	Vertical sync
15	Clock (DDC)

Troubleshooting

For TV

No picture or sound.

- Make sure the TV is plugged in.
- ☞ Make sure the power cord is connected to the consent correctly.
- ☞ Check the power failure.


Screen is black.

- ☞ Make sure the external signal source mode is selected.
- ☞ Press the **INPUT** button to change to TV.

Picture is OK but there is no sound.

- ☞ Press the **Mute** button.
- ☞ Check another channel.
- ☞ Press the **▶** button to increase the volume.

Poor sound quality.

- ☞ Make sure the channel using a stereo broadcast by pressing the Display() button. Select Mono. The sound quality of a stereo broadcast may be unstable in an area with a weak signal. (See page 22)

No image on a specific channel.

- ☞ Make sure the channel selection is correct.
- ☞ Change the antenna direction to the right or left.
- ☞ Adjust the fine tuning of the channel.

Image is not stable and may appear to vibrate , horizontal bars appear.

- ☞ Adjust the fine tuning of the channel.
- ☞ Make sure there is no powerful electromagnetic wave interference from the transmitting station.
- ☞ Stop using a hair drier, electric drill or electric blender .

No color on a specific channel (a black & white image).

- ☞ Check other channels to see if the specific channel is broadcasting a black & white program.
- ☞ Adjust the color. (See page 19)

Black or white dots appear on all channels I or a specific channel.

- ☞ Make sure the antenna is connected correctly. (See page 10)
 - ☞ Make sure the status of the antenna or wire is good .
 - ☞ Adjust the fine tuning of the channel.
-

For Monitor

no signal message cable" message

- ☞ Check if the signal cable(15Pin D-sub) is properly connected to the computer. (See page 32)
- ☞ This message may appear when the resolution and frequency of the video card in the computer are out the range of the TV. Select the proper resolution and frequency for the TV. (See page 36)

Picture rolls down vertically.

- ☞ Check if the signal cable (15Pin D-sub) is properly connected to the computer. (See page 32)

A shadowed area appears on the screen.

- ☞ Make sure the resolution and frequency of the computer video card are set properly to the range of the TV. Set the picture again referring to the standard display mode and current mode. (See page 36)

The image is too large or too small.

- ☞ Adjust the picture to use the screen position feature. (See page 34)

Horizontal or vertical bars appear on the screen.

- ☞ Adjust the frequency and fine tuning.
- ☞ Adjust the resolution and frequency to the recommended specifications. (See page 36)
(1024 x 768 @ 60Hz)

The power indicator light blinks green.

- ☞ The TV is in power saving mode. The picture will return to normal status when you press any key on the keyboard or move the mouse.
-

SpecificationsH

Model name		HQL260WR	
LCD	Size	26" Diagonal	
	Display Size	566.4mm (H) × 339.84mm (V)	
	Pixel Pitch	0.4425mm (H) x 0.4425mm (W)	
	Pixel Number	1280 × RGB × 768	
	Type	a-si TFT active maxrix	
	Brightness	500 cd / m ²	
	Contrast Ratio	500 : 1	
	Viewing Angle	170° (H) / 170° (V)	
TV/VIDEO	Color System	NTSC	
	Sound System	NTSC-M	
	Video System	CVBS, S-VHS, RGB	
DTV	Y / Pb / Pr	COMPONENT : 480i/p, 576i, 720p, 1080i	
PC	Sync.	Horizontal	30~61KHz
		Vertical	56~75Hz
	Display Color	16,770,000 Colors	
	Max. Resolution	1024 × 768	
	Sync.(H/V Separate)	TTL, Positive or Negative	
Audio Output		5W(rms) x 2EA	
Power Supply		AC 110-240V 50/60Hz	
Power Consumption		typical 120W	
Power Saving		1.8W	
Dimension (W × H × D)		814mm × 490mm × 236mm (With stand)	
Weight		17.0Kg (With stand)	
Accessories		Remote Control, Battery (AAA type), Operating Instructions Power Cord, DC Adapter	

☞ Design and specifications are subject to change without notice.