ATTACHMENT E.

- USER'S MANUAL-2 -

Basic Operation

Turning the TV On/Off

Press the Power button on the remote control. The TV will turn on and you will be ready to use its features. You can also use the Power button on the front panel.

Select Source

Press INPUT button on the remote control. Then you can see the current source menu shown as below.

| **Ch 6 - 1**
 SBS | ▶ | **Video 1**
 Composite | ▶ | **Video 2**
 PC | ▶ |

| **Video 3**
 HDMI | ▶ | **Video 4**
 S-Video |

TV Program Selection

1 Connect the signal source (TV antenna) to TV input. Press INPUT button on the remote control and select TV on the source.

2 Use CH+, CH- button or numeric button to change TV programme you want.

3 Press Pre.CH button on the remote control to watch the previous programme.

4 Also, you can tune the cable service, provided programmes while using the cable box.
For further information regarding cable TV service, contact your TV service provider(s).

Volume Control

Use VOL∧/VOL∨ button on the remote control to adjust the volume level.
Press MUTE button on the remote control when you need to cut the sound temporarily.

• OSD (On Screen Display) allows users to control or adjust various features and settings in accordance with his/her preferences.

• Press the Menu button on the remote control to see the main OSD menu.

Example of OSD Menu

1 Main Menu

Press Menu button on the remote control to enter the main OSD menu.
First, select Main menu item you need with ⊟ & ⊡ button.
To select a main menu items, just press ⬛ or ⬛ button on the Remote Control.

2 Sub Menu

Each menu item has its own sub menu items to set.

3 Sub Menu items

A : If there is a empty space part, the item has an sub menu.
You can enter the under menu and adjust an item you need.
Select sub-menu item with ⬛/⬛ buttons on the remote control and press OK button to enter the submenu.

B : If there is a item part, you can set the item by selecting ⊟⊡ buttons.
Press OK button to set.

Setup

Tuning Band

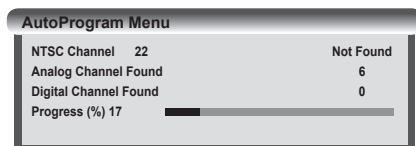Before your television can begin memorizing the available channels, you must specify the type of signal source that is connected to the TV. (i.e., an antenna, a standard cable system)

1 Press Menu button on the remote control to display the main OSD menu.
2 Select The Setup main menu with ◁▷ button on the remote control.
3 Press ▲/▼ to enter the sub menu.
4 Select **Tuning Band** menu.
5 Select the **Band** by press OK button and press Exit or Menu button. You can select Air or CABLE.
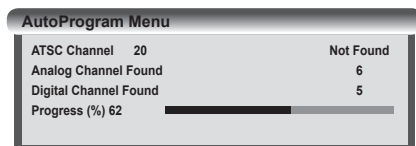
Setup	Video	Audio	Feature
Tuning Band		Air	OK
DTV Signal			OK
Auto Ch Search			OK
Add On Ch Search			OK
Channel Edit		Air	OK
Menu Language		English	OK

Move   Select   Exit

Auto Ch Search

1 Press Menu button to display the main OSD menu.
2 Select The Setup menu with ◁▷ button on the remote control.
3 Press ▲/▼ to enter the sub menu.
4 Select **Auto Ch Search**. Press OK Button on the remote control. Then the tuning bar will appear and scanning will start.

Setup	Video	Audio	Feature
Tuning Band		Air	OK
DTV Signal			OK
Auto Ch Search			OK
Add On Ch Search			OK
Channel Edit		Air	OK
Menu Language		English	OK

Move   Select   Exit

AutoProgram Menu

NTSC Channel 22	Not Found
Analog Channel Found	6
Digital Channel Found	0
Progress (%) 17	

(ATV Scan)

AutoProgram Menu

ATSC Channel 20	Not Found
Analog Channel Found	6
Digital Channel Found	5
Progress (%) 62	

(DTV Scan)

Notes
• Auto Ch Search scan first analog channel after then digital channel.
• Add On Ch Search scan new channel except pre-scan channel.

Channel Edit

You can add, erase or store of your favorite channels for each available input Band.
Then, when you press the Favorite button on the remote control.

1 Press Menu button on the remote control to display the main OSD menu.

2 Select the Setup main menu with ⊟⊡ button on the remote control.

3 Press ⬆⬇ button to enter the sub menu.

4 Select **Channel Edit** menu.

5 Select the Viewable/Not Viewable/Favorite with OK button and press Exit button. You Can select Viewable, Not Viewable or Favorite.

Setup	Video	Audio	Feature
Tuning Band		Air	OK
DTV Signal			OK
Auto Ch Search			OK
Add On Ch Search			OK
Channel Edit		**Air**	**OK**
Menu Language		English	OK

| Move | Select | Exit |

You can Viewable, Not viewable or Favorite the current channel by the remote control.

CH ADD/DEL
The current channel into the scanned channel list.

—	+		?
DTV CH		CH ADD/DEL	INFO

MTS	SOUND	STILL
SLEEP	EPG	CC
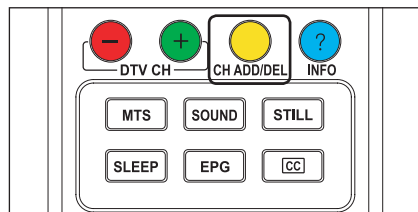
Channel Edit Menu

Ch 6-1	SBS	Viewable
Ch 7-1	KBS D-2	Viewable
Ch 9-1	KBS D-1	Favorite
Ch 10-1	EBS	Viewable
Ch 11-1	MBC	Viewable
Ch 2-0		Not Viewable
Ch 6-0		Viewable
Ch 7-0		Viewable
Ch 9-0		Viewable
Ch 11-0		Viewable
Ch 13-0		Viewable

| Move | Select | Exit |

Notes

• Only scanned channels can be stored as Favorite programmes.

Setup

Menu Language

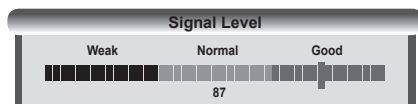You can select of your favorite language for display OSD menu.

1 Press Menu button on the remote control to display the main OSD menu.
2 Select the Setup main menu with ⊟⊟ button on the remote control.
3 Press ⬆⬇ button to enter the sub menu.
4 Select **Menu Language** menu.
5 Select the English/Spanish/French with OK button and press Exit button.

Setup	Video	Audio	Feature
Tuning Band		Air	OK
DTV Signal			OK
Auto Ch Search			OK
Channel Edit		Air	OK
Menu Language		English	OK

Move   Select   Exit

DTV Signal

You can see digital signal level of current channel.

1 Press Menu button on the remote control to display the main OSD menu.
2 Select the Setup main menu with ⊟⊟ button on the remote control.
3 Press ⬆⬇ button to enter the sub menu.
4 Select **DTV Signal** menu.
5 To see signal level, press **OK** button.

Setup	Video	Audio	Feature
Tuning Band		Air	OK
DTV Signal			OK
Auto Ch Search			OK
Channel Edit		Air	OK
Menu Language		English	OK

Move   Select   Exit

Signal Level

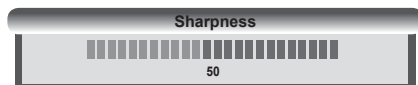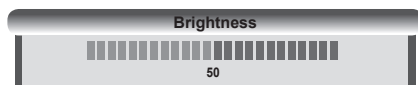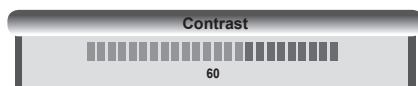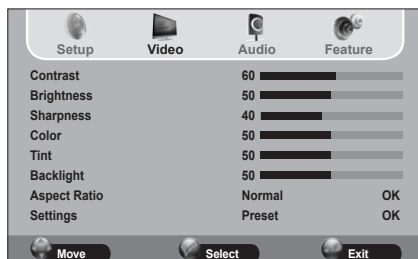| Weak	Normal	Good

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Notes

• DTV Signal level activate on DTV.

Video

You can change the Contrast, Brightness, Color, Sharpness , and Tint according to personal preference in USER mode.

Contrast / Brightness / Sharpness / Color / Tint

1 Press Menu button on the remote control to display the main OSD menu.

2 Select the Video main menu with ⬅➡ button on the remote control.

3 Press ⬆⬇ button to enter the sub menu.

4 Select **Contrast/Brightness/Sharpness/ Color/Tint** menu with ⬆⬇ button on the remote control.

5 Into the adjust, press **OK** button and then set wit ⬅➡ button on the remote control.

6 To cancel all adjust, select press **Preset** button.

Setup	Video	Audio	Feature
Contrast		60	
Brightness		50	
Sharpness		40	
Color		50	
Tint		50	
Backlight		50	
Aspect Ratio		Normal	OK
Settings		Preset	OK

Move   Select   Exit

For a more detailed description of these settings, see the next page.

Contrast
60

Brightness
50

Sharpness
50

Color
50

Tint
50
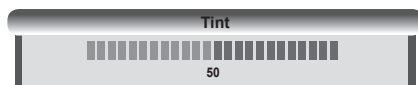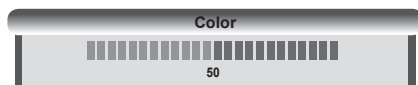
Notes

• In adjust you can move directly each adjust menu with press ⬆⬇ button.

Video

█ Contrast

Adjust brightness difference between bright part of the screen and dark part.

Distinct ◄   ► Vague

█ Brightness

Adjust brightness of the screen.

Dark ◄   ► Bright

█ Color

Adjust deep and light color of the screen.

Decrease◄   ► Increase

█ Sharpness

Adjust vividness of the screen.

Less sharp ◄   ► Sharp

█ Tint

Adjusts the balance between green and yellow

Green color is deeper ◄   ► Red color is deeper

Video

Backlight

You can control the LCD Backlight.

1 Press Menu button on the remote control to display the main OSD menu.

2 Select the Video main menu with ⬅➡ button on the remote control.

3 Press ⬆⬇ button to enter the sub menu.

4 Select **Backlight** menu with ⬆⬇ button on the remote control.

5 To adjust, press **OK** button.

Setup	Video	Audio	Feature
Contrast		60	
Brightness		50	
Sharpness		40	
Color		50	
Tint		50	
Backlight		50	
Aspect Ratio		Normal	OK
Settings		Preset	OK

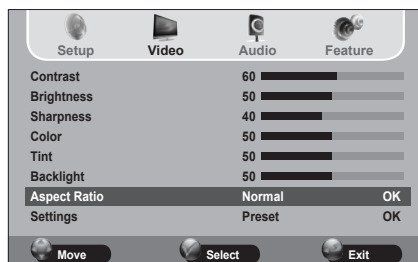| Move | Select | Exit |

Backlight

50
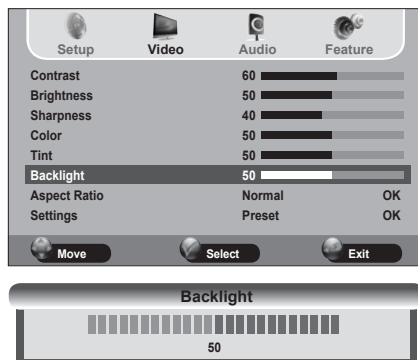
Aspect Ratio

Your TV has four Screen Formats: **Normal**, **Zoom**, **Wide**, **Cinema**.
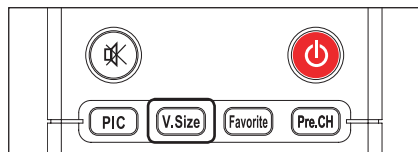(For more detail description for these modes, refer to the next page.)

1 Press Menu button on the remote control to display the main OSD menu.

2 Select the Video main menu with ⬅➡ button on the remote control.

3 Press ⬆⬇ button to enter the sub menu.

4 Select **Aspeck Ratio** menu with ⬆⬇ button on the remote control.

5 To adjust, press **Preset OK** button.

Setup	Video	Audio	Feature
Contrast		60	
Brightness		50	
Sharpness		40	
Color		50	
Tint		50	
Backlight		50	
Aspect Ratio		Normal	OK
Settings		Preset	OK

| Move | Select | Exit |

You can change Aspect Ratio by the remote control.

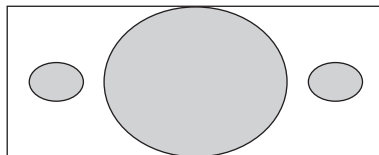**V.Size**

| PIC | V.Size | Favorite | Pre.CH |

Video

Screen Aspect Description

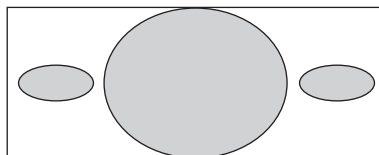### Wide

16:9 video: No change.
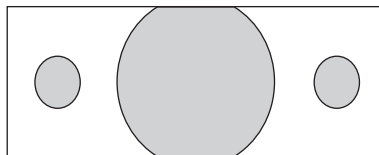4:3 video: Expands 4:3 video signal horizontally to fit the 16 : 9 screen.

Cinema

16:9 video: No change.
4:3 video: Expands 4:3 video horizontally to fit the 16 : 9 screen and to minimize distortion, sides are expanded more than center.
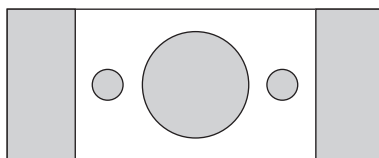
Zoom

Expands 16 : 9 mode screen vertically.

Normal

16:9 video: The image is suppressed.
4:3 video: No expansion. There are gray areas besides the image.

Notes

• Aspect Ratio only active Cinema in DTV.

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Audio

In Audio Menu, you can adjust Audio Language, Bass, Contrast, Balance and Digital Audio Output.

Audio Language

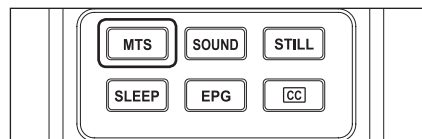Select supported audio language in English/Spanish/Korea/French.

1 Press Menu button on the remote control to display the main OSD menu.
2 Select the Audio main menu with ⊟⊞ button on the remote control.
3 Press ⬆⬇ button to enter the sub menu.
4 Select **Audio Language** menu with ⬆⬇ button on the remote control.
5 To set English/Spanish/Korea/French, press **OK** button.

	Setup	Video	Audio	Feature
Audio Language			English	OK
Bass			31	
Treble			45	
Balance			31	
Digital Audio Output			Normal	OK
Settings			Preset	OK

Move   Select   Exit

You can set MTS by the remote control.

MTS
Showing MTS Language number.

MTS   SOUND   STILL
SLEEP   EPG   CC

Notes

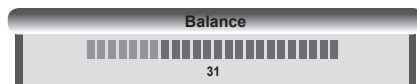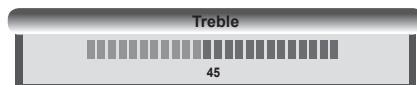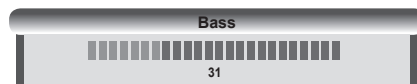• Audio Language depend on broadcasting and sometimes can't select on OSD.

Audio

Bass / Treble / Balance

Adjust Audio Bass, Treble and Balance.

1 Press Menu button on the remote control to display the main OSD menu.

2 Select the Audio main menu with ⊟⊞ button on the remote control.

3 Press ⬆⬇ button to enter the sub menu.

4 Select **Bass/Treble/Balance** menu with ⬆⬇ button on the remote control.

5 Into adjust Bass/Treble/Balance, press **OK** button and set with ⬆⬇ on the remote control.

6 To cancel all adjust, select settings press **OK** button.

Setup	Video	**Audio**	Feature

Audio Language	English	OK
Bass	31	
Treble	45	
Balance	31	
Digital Audio Output	Normal	OK
Settings	Preset	OK

Move   Select   Exit

Bass

31

Treble

45

Notes

• In adjust you can move directly each adjust menu with press ⬆⬇ button.

Balance

31

Digital Audio Output

Select Digital Audio Output.

1 Press Menu button on the remote control to display the main OSD menu.

2 Select the Audio main menu with ⊟⊞ button on the remote control.

3 Press ⬆⬇ button to enter the sub menu.

4 Select **Digital Audio Output** menu with ⬆⬇ button on the remote control.

5 To Set RAW or AC-3/PCM, press **OK** button on the remote control.

Setup	Video	**Audio**	Feature

Audio Language	English	OK
Bass	31	
Treble	45	
Balance	31	
Digital Audio Output	Normal	OK
Settings	Preset	OK

Move   Select   Exit

Notes

• PCM (Pulse Coded Modulation) : Digital signal for SPDIF or Coaxial output.
• RAW or AC-3 : Compressed Digital signal for 5.1CH or DOLBY output.

Notes

Time Set

You can Set Time and Time zone in America.

1 Press Menu button on the remote control to display the main OSD menu.
**2** Select the Feature main menu with ⊟⊞ button on the remote control.
3 Press ⬆⬇ button to enter the sub menu.
4 Select **Time Set** menu with ⬆⬇ button on the remote control.
5 To enter Time Set Menu, press **OK** button.

Setup	Video	Audio	Feature
Time Set			OK
Sleep Timer		Off	OK
Advanced Video Menu			OK
Password Set			OK
Parental Control			OK
Close Caption Options			OK

Move   Select   Exit

▌ Time Set Menu

1 Press ⬆⬇ button to enter the sub menu.
2 To set Time Set Mode manual or Auto with ⊟⊞ or press **OK** button on the remote control.
3 To set Time Zone Eastern, Central, Mountain, Pacific, Alaska or Hawaii with ⊟⊞ or press **OK** button on the remote control.
4 To set Year, Date, Time with ⊟⊞ or press **OK** button on the remote control.

Time Set Menu

Time Set Mode	Manual	OK
Time Zone	Eastern	OK
Year	2007	OK
Date	Jan 22	OK
Time	9:46 PM	OK

Change   Move   Exit
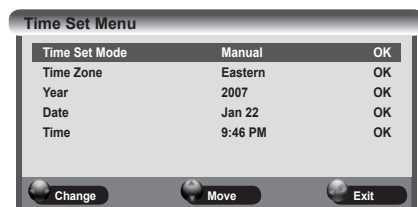
Notes

• To set Year, Date, Time you select in Manual of Time Set Mode.
• In the Auto mode Year, Date, Time set automatically depends on Time Zone.

Sleep Timer

You can set the Sleep timer.

1 Press Menu button on the remote control to display the main OSD menu.
2 Select the Feature main menu with ⊟⊞ button on the remote control.
3 Press ⬆⬇ button to enter the sub menu.
4 Select **Sleep Timer** menu with ⬆⬇ button on the remote control.
5 To set Sleep Timer Off/30 min./60/90 press **OK** button.

Setup	Video	Audio	Feature
Time Set			OK
Sleep Timer		Off	OK
Advanced Video Menu			OK
Password Set			OK
Parental Control			OK
Close Caption Options			OK

Move   Select   Exit

Feature

You can set Sleep Timer by the remote control.

SLEEP
Showing the current set Sleep timer.
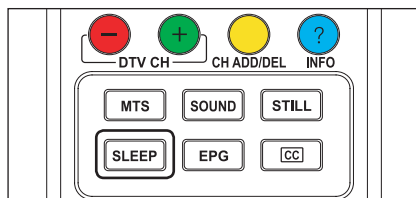
Advanced Video Menu

You can select NR, Color Temperature, Auto Contrast Enhancement, 3D Y/C.

1 Press Menu button on the remote control to display the main OSD menu.
2 Select the Feature main menu with ⊟⊡ button on the remote control.
3 Press ⬆⬇ button to enter the sub menu.
4 Select Advanced Video Menu with press **OK** button.
5 Select **NR/Auto Contrast Enhancement/ Color Temperature/Black Bar Detection/ 3D Y_C/Adaptive Contrast** menu with ⬆⬇ button on the remote control.
6 To Set, press **OK** button.
7 To cancel all set, select **Settings** and press **Preset** button.

Setup	Video	Audio	Feature
Time Set			OK
Sleep Timer		Off	OK
Advanced Video Menu			**OK**
Password Set			OK
Parental Control			OK
Close Caption Options			OK

Move   Select   Exit

Advanced Video Menu

Noise Reduction—Spatial	On	OK
Noise Reduction—Speckle	Off	OK
Noise Reduction—Temporal	On	OK
Auto Contrast Enhancement	On	OK
Color Temperature	**Normal**	**OK**
Black Bar Detection	On	OK
3D Y/C	Off	OK
Adaptive Contrast	On	OK
Settings	Preset	OK

Move   Select   Exit

You can change Color Temperature by the remote control.

PIC
Cool : Screen seems warm : Strong Blue
NORMAL : Normal : Factory default.
Warm : Screen seems cool : Strong Red

Feature

Password Set

You can change Parental control lock password.

1 Press Menu button on the remote control to display the main OSD menu.
2 Select the Feature main menu with ⊟⊞ button on the remote control.
3 Press ▲▼ button to enter the sub menu.
4 Select Password Set Menu with press **OK** button.
5 Enter Old Password with number button on the remote control.
6 Enter New Password with number button on the remote control.
7 Enter Confirm New Password with number button on the remote control.

	Setup	Video	Audio	**Feature**
Time Set				OK
Sleep Timer		Off		OK
Advanced Video Menu				OK
Parental Control				OK
Password Set				**OK**
Close Caption Options				OK

Move   Select   Exit

Enter Old Password
* * * *

Enter New Password
* * * *

Confirm New Password
* * * *

Password changed
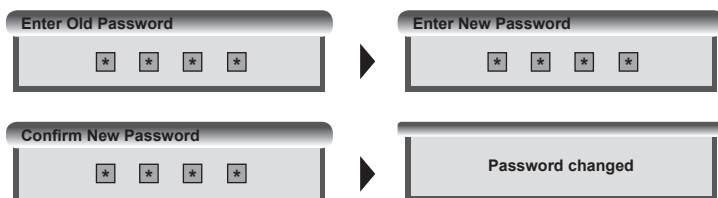
Notes

• The factory default Password is 0000.

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Feature

Parental Control

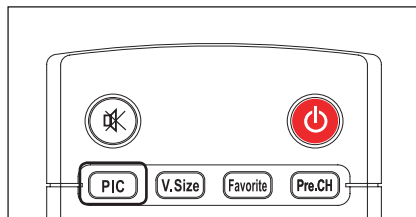You can Setup restrictions using the "TV Parental Guidelines" of FCC.

1 Press Menu button on the remote control to display the main OSD menu.
2 Select the Feature main menu with ⊟⊞ button on the remote control.
3 Press ⬆⬇ button to enter the sub menu.
4 Select Parental Control with press **OK** button.
5 Enter Password with number button on the remote control.

Setup	Video	Audio	**Feature**

Time Set		OK
Sleep Timer	Off	OK
Advanced Video Menu		OK
Password Set		OK
Parental Control		OK
Close Caption Options		OK

Move · Select · Exit

Enter Password

*	*	*	*

▌ Parental Control Menu US

1 Press ⬆⬇ button to enter the sub menu.
2 Select US Ratings with press **OK** button.
3 Select MPAA Ratings with ⬆⬇ button and Lock set press OK button on the remote control.
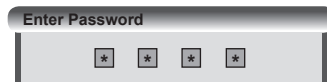**4** Move TV Ratings with ⊟⊞ button on the remote control.
5 Select TV Ratings with ⬆⬇ button and Lock set press **OK** button on the remote control.

Parental Control Menu

US Ratings	OK
Canadian Rating	OK
Advanced Rating	On	OK
Advanced Parental Lock	OK

Move · Select · Exit

Parental Control Menu

MPAA	TV RATING

ALL	FV	L	S	V	D

NONE		NONE						
G	🔒	G	🔒					
PG	🔒	PG	🔒	🔒				
PG-13	🔒	PG-13	🔒					
R	🔒	R	🔒		🔒	🔒	🔒	🔒
NC-17	🔒	NC-17	🔒		🔒	🔒	🔒	🔒
X	🔒	X	🔒		🔒	🔒	🔒	🔒

Move · Select · Exit
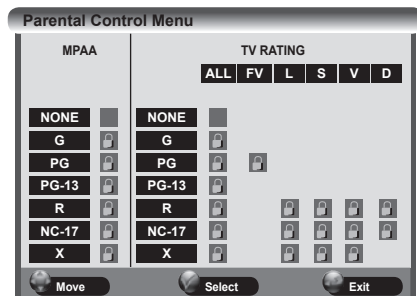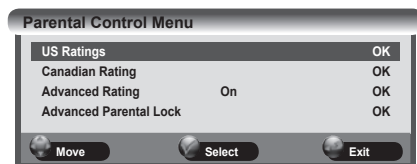
▌ **Parental Control Menu Canadian**

1 Press ▲▼ button to enter the sub menu.
2 Select Canadian Ratings with press **OK** button.
3 Select Canandian English with ▲▼ button and Lock set press **OK** button on the remote control.
4 Move Canadian French with ◄► button on the remote control.
5 Select Canadian French with ▲▼ button and Lock set press **OK** button on the remote control.

Parental Control Menu		
US Ratings		OK
Canadian Rating		OK
Advanced Rating	On	OK
Advanced Parental Lock		OK
Move	Select	Exit

Canadian Rating Menu		
Canadian English		Canadian French

Canadian English		Canadian French	
E		E	
C	🔒	G	🔒
CB+	🔒	8ans+	🔒
G	🔒	13ans+	🔒
PG	🔒	16ans+	🔒
14+	🔒	18ans+	🔒
18+	🔒		

Move   Select   Exit
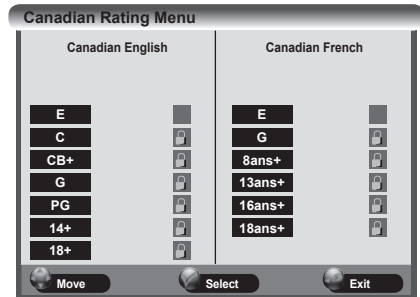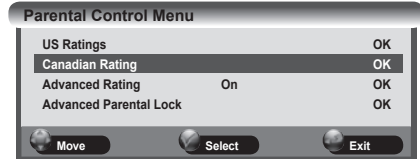
▌ **Advanced Rating (TBD)**

1 Press ▲▼ button to enter the sub menu.
2 Select Advanced Ratings On/Off with press **OK** button
3 If Advanced Ratings On then appear Advanced Parental Lock but this Menu is not Activate.

Parental Control Menu		
US Ratings		OK
Canadian Rating		OK
Advanced Rating	On	OK
Advanced Parental Lock		OK
Move	Select	Exit
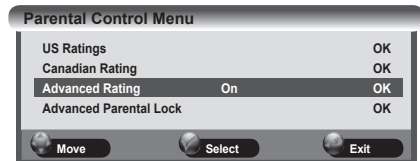
Notes

- These categories consist of two separate groups: TV-Y and TV-Y7 (Young children through age 7), and TV-G through TV-MA (everybody else).
- The restrictions for these two groups work independently: If a household includes very youngchildren as well as young adults, the TV guidelines must be Setup separately for each age group.

Feature

Close Caption Options

You can Setup Size, Font, Text Color, Text Opacity, Background Color, Background Opacity, Edge Effect, Edge Color for Digital close caption.

1 Press Menu button on the remote control to display the main OSD menu.

2 Select the Feature main menu with ⊟⊞ button on the remote control.

3 Press ▲▼ button to enter the sub menu.

4 Select Close Caption Options with press **OK** button then appear Digital Closed Caption menu.

5 To set Digital Closed Caption Automatic/ Custom with press **OK** button.

6 In Custom of Style you can select Digital Closed Caption item with ▲▼ or ⊟⊞ on the remote control.

7 To set Digital Closed Caption item press **OK**

Setup	Video	Audio	**Feature**
Time Set			OK
Sleep Timer		Off	OK
Advanced Video Menu			OK
Parental Control			OK
Password Set			OK
Close Caption Options			**OK**

Move   Select   Exit

Digital Closed Caption

Style	Automatic	OK
Size	Automatic	OK
Font	Automatic	OK
Text Color	Automatic	OK
Text Opacity	Automatic	OK
Background Color	Automatic	OK
Background Opacity	Automatic	OK
Edge Effect	Automatic	OK
Edge Color	Automatic	OK

Decided by Broadcasting

Move   Select   Exit

Notes

• **DCC Setup**
 Style : Automatic – Set by Broadcasting
   Custom – Set by User DCC Setup
 Size : Normal, Small, Large.
 Font : Default, Font1 ~ Font7.
 Text Color : Black, White, Red, Green, Blue, Yellow, Magenta, Cyan.
 Text Opacity : Solid, Flashing, Transparent, Translucent.
 Background Color : Black, White, Red, Green, Blue, Yellow, Magenta, Cyan.
 Background Opacity : Solid, Flashing, Transparent, Translucent.
 Edge Effect : None, Raised, Uniform, Leftshadow, Rightshadow.
 Edge Color : Black, White, Red, Green, Blue, Yellow, Magenta, Cyan.

Digital Closed Caption

Style	Automatic	OK
Size	Automatic	OK
Font	Automatic	OK
Text Color	**Automatic**	**OK**
Text Opacity	Automatic	OK
Background Color	Automatic	OK
Background Opacity	Automatic	OK
Edge Effect	Automatic	OK
Edge Color	Automatic	OK

Closed Caption Sample

Move   Select   Exit
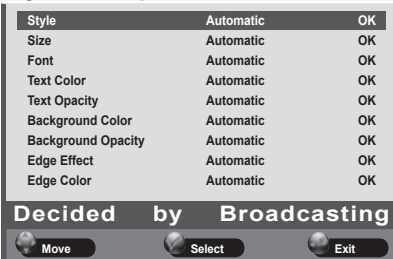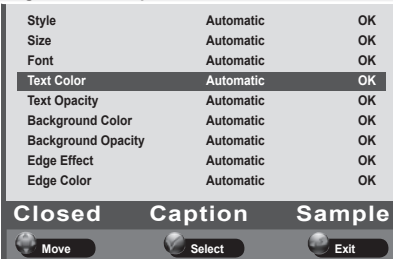
In PC mode, you can adjust the H, V-Position, Divide, Native Mode and Phase. Also you can adjust them automatically.

PC Set

You can change H, V-Position, Clock and Phase in PC mode like usual PC TV. You can also adjust them automatically. (Auto adjust function.)

1 Press Menu button on the remote control to display the main OSD menu.
2 Select the Feature main menu with ⊟⊞ button on the remote control.
3 Press ⬆️⬇️ button to enter the sub menu.
4 Select **PC Set** menu with ⬆️⬇️ button on the remote control.
5 To enter Time Set Menu, press **OK** button.

	Setup	Video	Audio	Feature
Time Set				OK
Sleep Timer			Off	OK
Advanced Video Menu				OK
PC Set				OK

Move   Select   Exit

▌ PC Setting Menu

1 Press ⊟⊞ button to enter the sub menu.
2 Select **H-Pos/V-Pos/Clock/Phase** menu with ⬆️⬇️ button on the remote control.
3 Into the adjust, press **OK** and then set with ⬆️⬇️ button on the remote control.
4 To cancel all adjust, select press **Preset** button.

For a more detailed description of these settings, see the next page.

PC Setting – 1024x768 @ 60Hz

H - Pos	50
V - Pos	50
Clock	50
Phase	50
Auto Adjust	OK
Setting	Preset OK

Move   Select   Exit

H - Pos
50

V - Pos
50

Clock
50
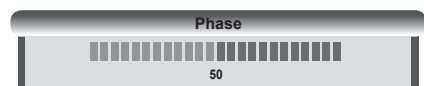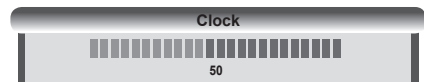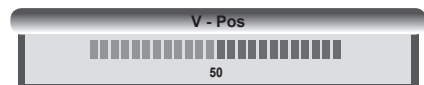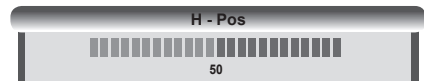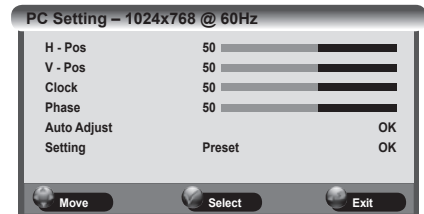
Phase
50

Feature (PC)

▌ H-POSITION

◀ ▶

▌ V-POSITION

◀ ▶

▌ PHASE

Mismatch | Match
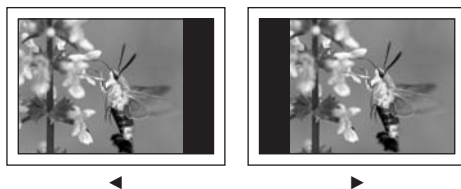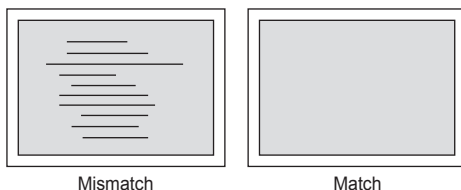
Notes

- In adjust you can move directly each adjust menu with press ▲▼ button.

▌ Auto Adjust

1 Press ◁▷ button to enter the sub menu.

2 Select **Auto Adjust** menu with ▲▼ button on the remote control.

3 Set the Auto Adjust, press **OK** and then appear progress message.

PC Setting – 1024x768 @ 60Hz		
H - Pos	50	
V - Pos	50	
Clock	50	
Phase	50	
Auto Adjust		**OK**
Setting	Preset	OK
Move	Select	Exit

Adjustment is in Progress…..
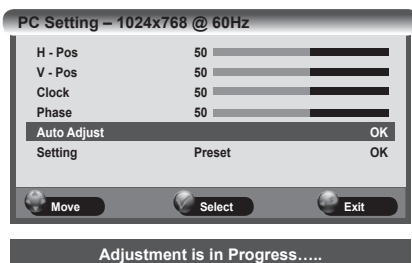
Troubleshooting

Before you call a service technician, please scan this list of problems and possible solutions. It may save you time and money.

Problem	Quick Action for Possible Solution.
No picture & No sound	Check whether the TV is turned on. Power cord inserted into wall outlet? Plug another product's power cord into the wall outlet where the TV's power cord was plugged in.
Picture OK & No sound	Press the VOLUME(►) button. Check the audio input signal.
The remote control doesn't work	Check to see if there is any object between the Plasma Display and the remote control causing obstruction. Check to see if the batteries are installed with the wcorrect polarities.
Digital broadcasting screen problem	Check the digital signal strength and input antenna.
No or Poor color or Poor picture	Select color in the Picture and press VOLUME(►) button. Keep a certain distance between the TV and the VCR. Activate any function to restore the brightness of the picture. Check to see that both the TV and the source are plugged in and turned on.
The image is too light or too dark	Adjust the Brightness or Contrast settings.
The image is too large or too small	Adjust the Size settings.
No output from one of the speakers	Adjust Balance in the Sound Menu.
Strange sound form the TV	Typical sound due to normal TV operation, TV is not faulty.

Specification – 17.1 Inch LCD

17.1" LCD TV	
Function and Display Specification	
Display Size	17.1-Inch 16 : 9 Diagonal Screen
Display Mode	Variable 4 Modes (4:3 Mode/ 16:9 x 3 Modes)
Pixel Format	1280 x 768 Physical Pixel
Contrast Ratio	600:1
Brightness	450 cd/m^2
Max Input Resolution	1280 x 768 / 60Hz
Input Compatible	Multiple input compatible
Video	Advanced motion digital/Motion-Adaptive De-interlace process, Digital progressive line scaling.
Tuner Module	TV/CATV (ATSC)
Programming	Favorite channel programming, Time Set, Set the Sleep timer
HDTV Input	480i/p (60Hz) , 576ip (50Hz), 720p (60Hz), 1080i (50, 60Hz)
Color Temperature	Selectable 3 Mode (Warm, Normal, Cool)
Dimension / Weight	
Main Only	1216 (W) x 732 (H) x 87.3 (D) / 50 kg
With Stand	1216 (W) x 798 (H) x 299 (D) / 55 kg
With Stand and Speaker	1416 (W) x 798 (H) x 299 (D) / 59 kg
Miscellaneous	
Audio	Built-in amplifier and two speaker (7Watt/Typ.) systems (optional), Selectable fixed/variable audio output (optional)
External Control	Front OSD Button Control, Remote control, RS232C Control
Power Consumption	
Input Power	DC +18 External Power Adapter
Power Consumption	54 Watt
Connectivity	
TV1, 2 Input	RF/CATV (ATSC)
Composite Input	RCA x 1Port (AV Input)
S-Video Input	Mini Din 4Pin x 1Port
PC Input	Mini D-Sub 15Pin x 1Port
Audio Input	Phone Jack x 1Port
Speaker Output	Cinch Type x 4Port (Stereo L/R)
External Control Port	Phone Jack x 1Port
HDMI Port	HDMI x 1Port
SPDIF Port	SPDIF (Optical) x 1Port (5.1 Channel)

2- Year Limited Warranty

Warranty Service is only available in the country of original purchase.
This is an important document. Attach your bill of sale to this card and keep it in a safe place. Your bill of sale is your warranty.

Our warranty remains in effect for two years from the date of the first consumer purchase.

WHO IS PROTECTED BY THIS WARRANTY

Our warranty protects the original owner and all subsequent owners, provided that our product was purchased from an authorized dealer.
A copy of the original dated bill of sale must be presented whenever warranty service is required.

WHAT IS COVERED BY THIS WARRANTY

Except as specified below, the warranty covers all defects in material and workmanship. The following are not covered: damage caused by accident, misuse, abuse, product modification or neglect; damage occurring during shipment; damage from failure to follow instructions contained in the instruction manual; damage resulting from the performance of repairs by someone not authorized by us; damage by natural disaster such as lightening, flood etc.; damage caused by installation of parts that do not conform to the specification; units used for other than home and office use; units not used for their intended purpose; any claims based on misrepresentations by the seller; products sold on an "as-is" or final sales basis; or the cost of installing, removing, or reinstalling the unit. Our liability is limited to the repair or replacement, at our option, if any defective product and shall not include incidental or consequential damages. We reserve the right to replace a discontinued model. Any replacement units or parts may be new or rebuilt.

TO OBTAIN WARRANTY SERVICE

For U.S. and Canada if you require warranty service, please contact Premium Distribution Corp. Authorized Support Provider at 866-734-1200.