

32"/37" HD Widescreen LCD TV

FLM-3230TM/ FLM-3730TM



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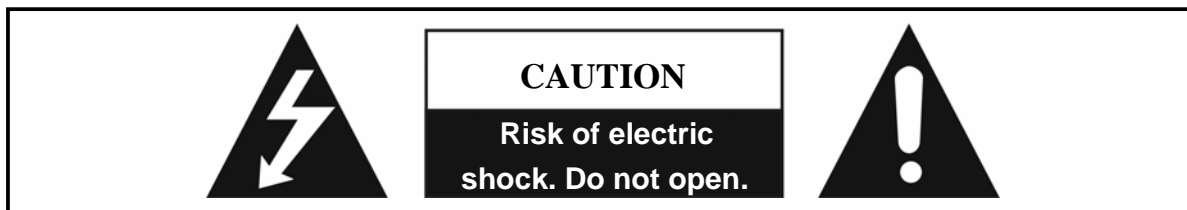
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IMPORTANT SAFETY AND PRECAUTIONS

This wide active matrix TFT (thin film transistor) liquid crystal monitor is designed for use as a stand alone TV as well as a display device for video electronics appliances and personal computers.

Important Information

Warning: To reduce the risk of fire or electric shock, do not expose this product to rain or moisture.



Caution: To reduce the risk of electric shock, do not attempt to disassemble or modify this device. There are no user-serviceable parts inside. Refer any service issues to qualified service personnel.

Caution: FCC/ CSA regulations state that any unauthorized changes or modifications to this equipment may void the user's authority to operate it.

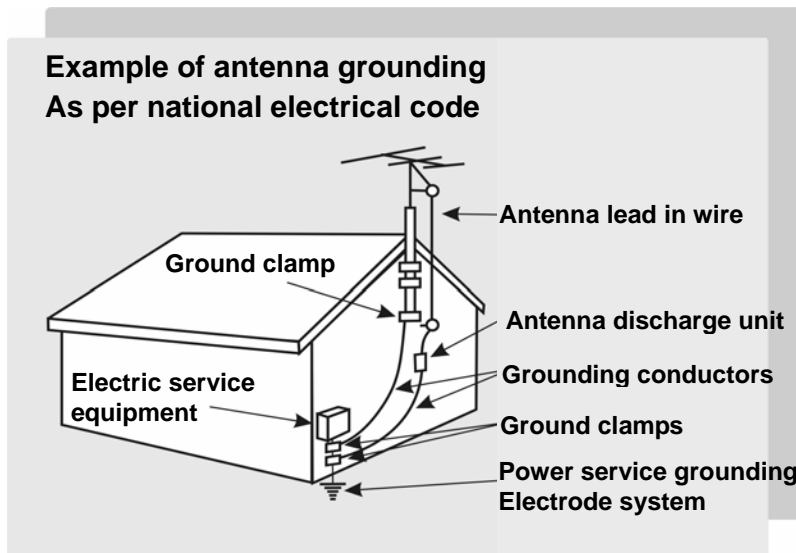
Important: One Federal Court has held that unauthorized recording of copyrighted TV programs is an infringement of U.S. copyright laws. Certain Canadian programs may also be copyrighted and any unauthorized recording in whole or in part may be in violation of these rights.

Warning: Do not leave stationary images, patterns, PIP windows, or letterbox images on the screen for prolonged periods of time as this may result in permanent damage to the LCD panel. This type of damage is not covered under warranty. The following are examples of, but not limited to, potentially hazardous display output: side bar images, video game patterns, closed captioning, channel logos and letterbox black bars. To prevent this type of damage, it is recommended to display constantly moving images that fill the screen as often as possible.

According to industrial standards for LCD display technology; there are a certain number of allowable defective pixels. Although we produce panels with more than 99.9% active cells, there still may be some cells that do not produce light or remain constantly lit. For further information, please contact sales or technical support.

Safety Precautions

1. Cleaning : Unplug the power cord from the AC outlet before cleaning the product. Use a damp cloth to clean the product. Do not use liquid cleaners or aerosol cleaners.
2. Water and moisture : Do not use the product near water or areas of high moisture content such as swimming pools, bathtubs or wet basements.
3. Ensure that no water droplets remain on the screen. Water can cause permanent discoloration.
4. Heat sources : Keep the product away from heat sources such as radiators, heaters, stoves and other heat-generating products (including amplifiers).
5. For added protection during a lightning storm or for extended periods of non-use, unplug the power cord from the wall outlet and disconnect the antenna (if used). This will prevent damage to the product due to power line surges.
6. If an outside antenna is connected to the product, make sure the antenna is properly grounded so as to provide some protection against voltage surges. (Coaxial connector shielding from cable distribution system should be probably earthed.)



7. Stand : Do not place the product on an unstable cart, stand, tripod or table. Placing the product on an unstable base can cause the product to fall, resulting in serious personal injuries as well as damage to the product. Use only a cart, stand, tripod, bracket or table recommended by the manufacturer or sold with the product. Use only mounting hardware recommended by the manufacturer.



8. Use care when moving the product on a rolling cart. Sudden stops, excessive force and uneven floor surface can cause the product to fall from the cart.

9. Ventilation : The vents and other openings in the cabinet are designed for ventilation. Do not cover or block these vents and openings as insufficient ventilation can cause overheating and/or shorten the life of the product. Do not place the product on a bed, sofa, rug or other similar surfaces since they can block ventilation openings. This product was not designed to operate in an enclosed environment. Don't place the product in an enclosed space such as a bookcase or rack, unless proper ventilation is provided or the manufacturer's instructions are followed.

10. The LCD panel used in this product is made of glass. Therefore, it can break if the product is dropped or struck.

11. During the LCD panel lifespan it is normal for a few pixels to become defective. Non-active pixels may appear on the screen as fixed points of red, blue or green. Refer pixel policy questions to the reseller for further clarification on acceptable loss.

12. An outside antenna system should not be located in the vicinity of overhead power lines or other electrical conduits. When installing an outside antenna, use extreme caution to prevent the antenna from coming into contact with said items, as contact with them may be fatal.

GENERAL INFORMATION

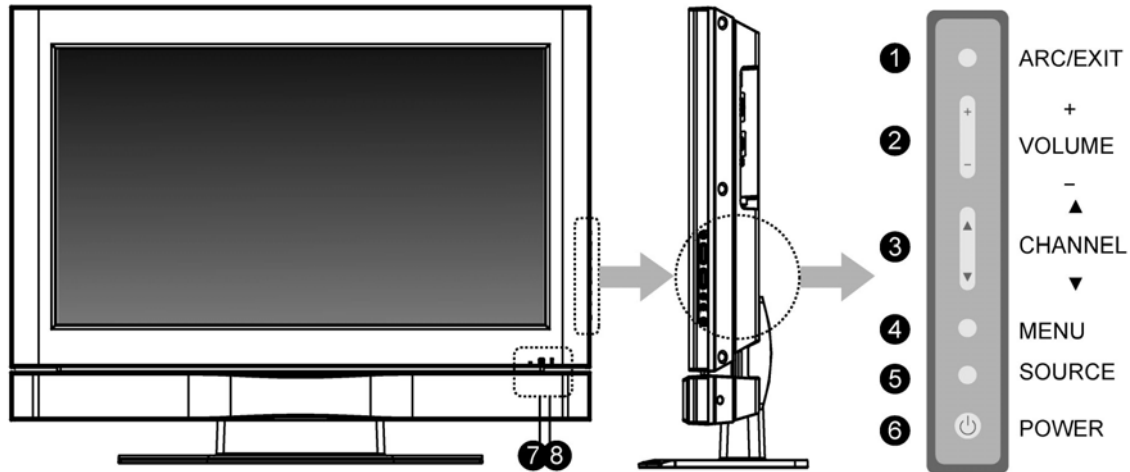
Product Features

Your TV is designed with the latest technology and is a high-performance unit that includes the following special feature:

- ◆ Multi-sources input included RF IN, D-SUB, HDMI, Composite, S-Video, and Component.
- ◆ Built-in combo tuner is able to receive ATSC, NTSC and Clear QAM Cable signals.
- ◆ Universal remote control provides control of other devices such as Cable Converter, Satellite Receiver, DVD player, Audio Amplifier, VCR etc.
- ◆ Built-in 10W dual channel speakers.
- ◆ Fine-tuning control for the sharpest picture possible. (“Over the air” TV viewing only.)
- ◆ Embedded video enhance and noise Reduction features for the colorful and clearest picture possible.
- ◆ Provided multi-channel sound decoder for stereo and bilingual broadcasts.
- ◆ Automatic sleep timer control from 15 to 90 minutes (15→30→45→60→90).
- ◆ Automatic Power Off feature after 10 minutes without a signal.
- ◆ Component video input for high definition TV programming (HDTV ready), resolution up to 720p, 1080i.
- ◆ Automatic Picture Control (APC) and Aspect Ratio Control (ARC) functions for end user customization of viewing preferences.

Controls and Ports of the Panel

Front Panel Views



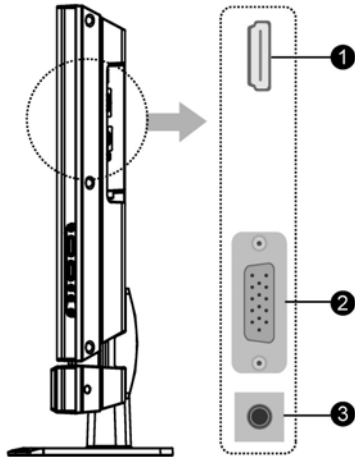
FUNCTION KEYS

1. **ARC/ EXIT:** Select the display output mode (TV / Video mode: Normal, Full Screen, Zoom, Subtitle; PC mode: Normal, Full Screen).
2. **VOLUME (+ / -) :** Increase/decrease the volume or be the left/right arrow button for menu.
3. **CHANNEL (▲ / ▼) :** Change the channel or be the up/down arrow button for menu.
4. **MENU:** Display the main menu. When the OSD appears, press the menu button to select or the volume + or – button to access the sub-menu.
5. **SOURCE:** Select the input source (TV, Video 1, Video 2, YPbPr 1, YPbPr 2, HDMI, PC).
6. **POWER:** Turn the LCD-TV on or off.
7. **REMOTE SENSOR WINDOW:** aim the remote control towards this spot on the TV.
8. **POWER INDICATOR :** BLUE LIGHT — power on
PURPLE LIGHT — power saving (PC mode)
RED LIGHT — power off

NOTE 1: These buttons control the basic features of your TV, including the on-screen menu. To use advanced features, you must use the remote control.

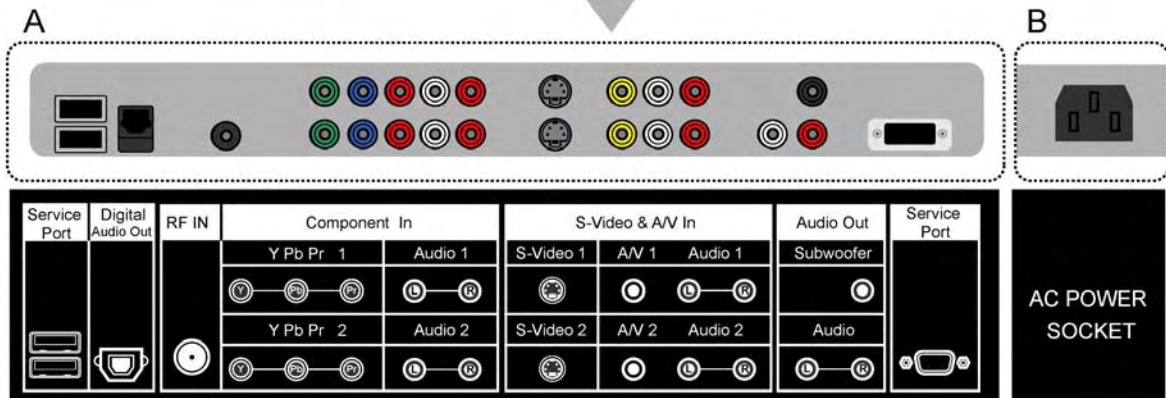
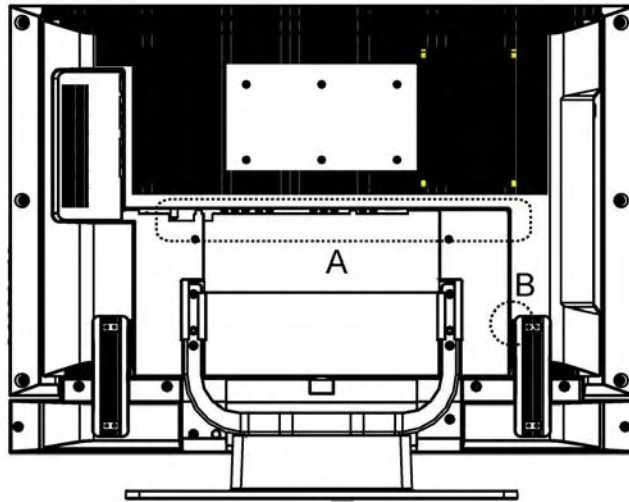
NOTE 2: The picture of LCD TV display is for reference only.

Side Panel Views



1. HDMI	Connect to the HDMI jack of a device with an HDMI output. (refer to page 11)
2. D-SUB	Connect to the video output jacks on your PC. (refer to page 12)
3. PC AUDIO IN	Connect to the audio output jacks on your PC. (refer to page 12)

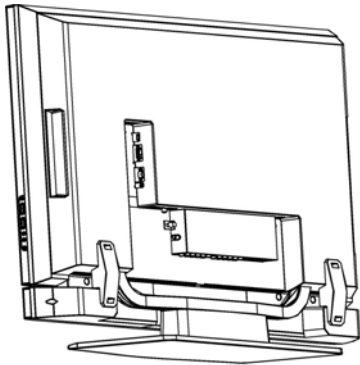
Back Panel Views



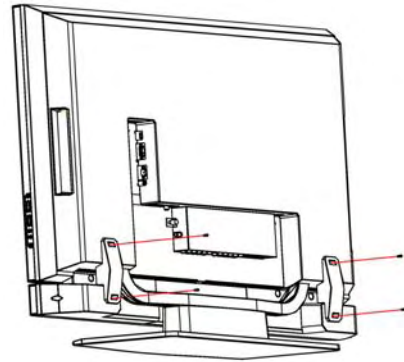
NOTE : Use the panel jacks to connect external devices (refer to page 13)

Disassembling The Speaker

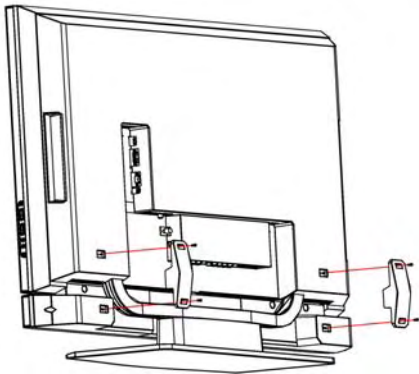
User can take the speaker apart according to the following steps:



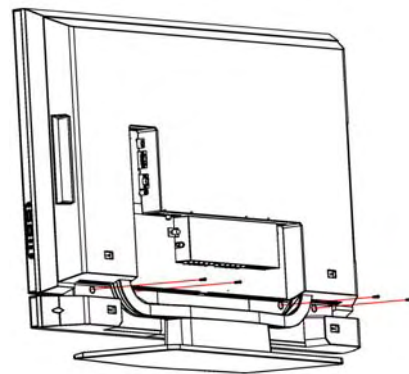
STEP 1: Turn the display and let the back cover face to you.



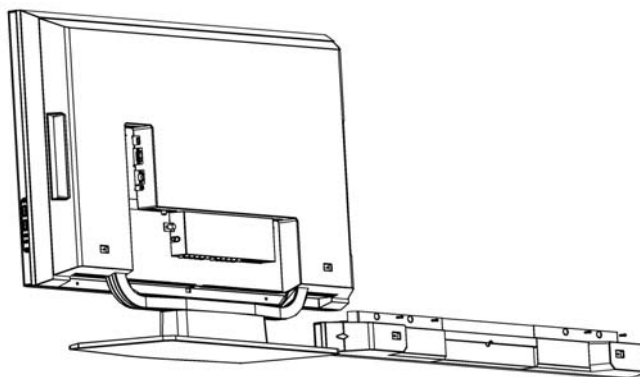
STEP 2: Turn the four screws to the counter clockwise direction to loosen it.



STEP 3: Take the speaker holders off.

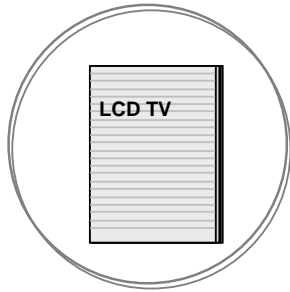


STEP 4: Turn the four screws to the counter clockwise direction to loosen it.



STEP 5: Disconnect two connectors and take the speaker box off.

Accessories



User's Manual



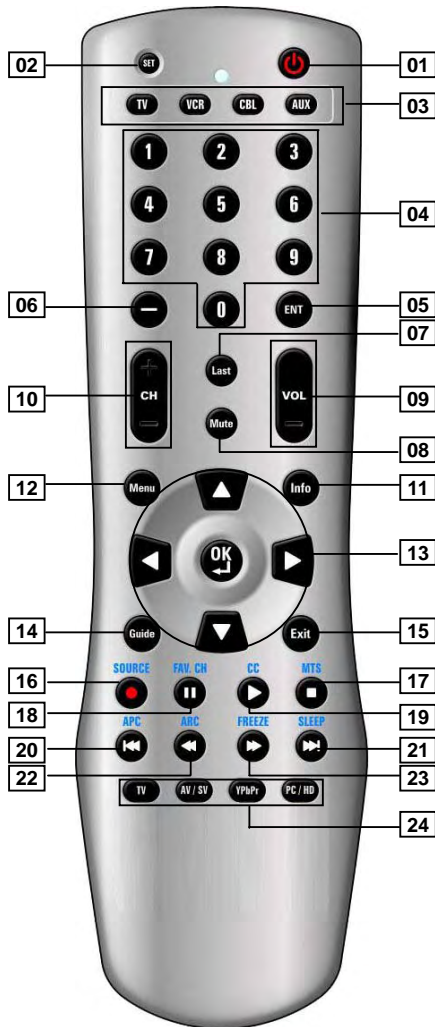
Remote Control & Batteries



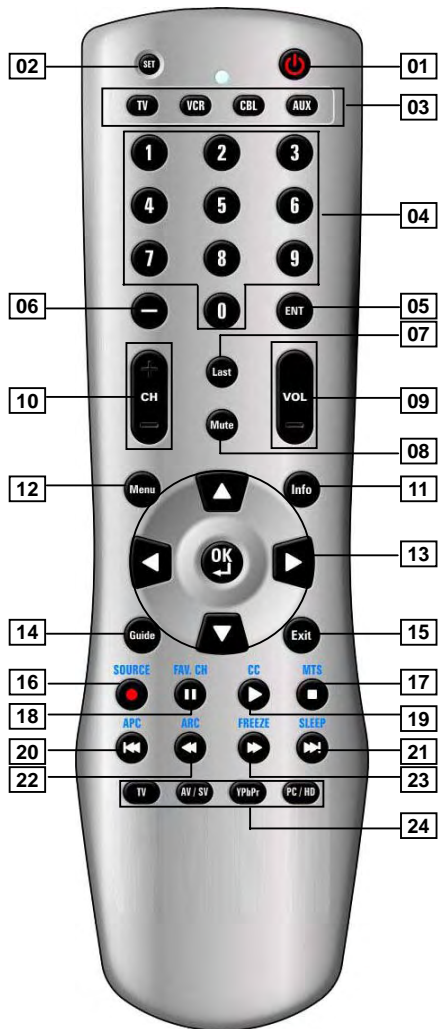
AC Power Cord

Remote Control

This universal remote control can operate up to four devices. When using the remote control, always point it directly at the TV mode. If you want to select a device, simply press one of the buttons: TV, VCR, CBL, or AUX.



1	Power
	Turn the device on or off.
2	Set
	Press to program the remote control to control other devices.
3	TV
	Control this LCD-TV(default).
	VCR
	Control DVD player or VCR.
	CBL
	Control Cable Converter or Satellite.
	AUX
	Control Audio Amplifier.
4	0 – 9 NUMERIC BUTTONS
	To manually select channel.
5	ENT
	Press to access the sub-menu.
6	-
	Display “. “ for following sub-channel
7	Last
	Jumps back and forth between two channels.
8	Mute
	Temporarily turn off the sound.
9	VOL + / -
	Press to increase or decrease the volume.If the audio was mute,pressing VOL + / - will un-mute the audio.
10	CH + / -
	Press to change channels.
11	Info
	See information on the current broadcast.
12	Menu
	Toggles the main menu.
13	▲▼, ◀▶
	Press to move the on-screen highlight in the desired direction.
	In TV mode, and there is no on-screen UI display, the arrow keys evokes the Show Title Display (with Date and Time).
	The Right arrow button will access to the sub-menu or widget.
	The Left arrow button will navigate back through the menu.

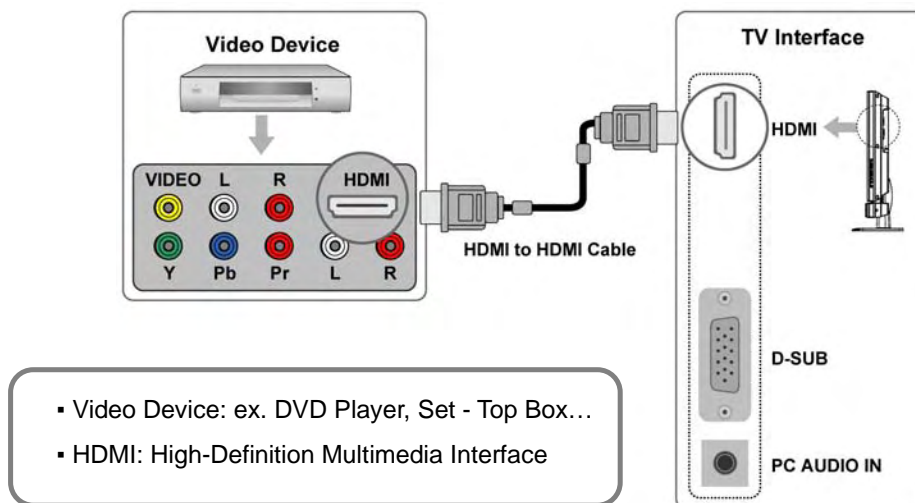


	OK
	Press to select a currently highlighted choice on-screen. If the user is watching TV without the presence of any UI screens, the Select button evokes Show Title Display (with Date and Time). Press to control some widgets, toggling between 2 different settings such as ON and OFF.
14	Guide
	If the system uses TV Guide, the Guide button switches to TV Guide. If not, and the system is in TV mode, the Guide button switches to broadcast mode and displays the Show Title Display (with Date and Time).
15	Exit
	Press to remove all UI screens and menus.
16	Source
	Press to select the signal source :TV→Video 1→Video 2 →YPbPr 1→YPbPr 2→HDMI→PC→TV.
17	MTS
	Analog – Cycle through stereo, mono or SAP (separate audio program) multi-channel sound services. Digital – Multi -Track language.
18	FAV.CH
	Press to display the appropriate FAV channels menu.
19	CC
	Press to enable or disabled closed Caption.
20	APC (Automatic Picture Control)
	Toggle screen luminosity between Standard→Vivid→Movie→Sports→Custom→Standard.
21	SLEEP
	Press to select a preset time interval for automatic power down.
22	ARC(Aspect Ratio Control)
	Toggle the picture mode between Normal→Full Screen→Zoom→→Subtitle.
23	FREEZE
	This key does not function.
24	TV
	Press to select TV mode.
	AV / SV
	Press to select Video 1 or Video 2 mode.
	YPbPr
	Press to select YPbPr 1 or YPbPr 2 mode.
	PC / HD
	Press to select PC or HDMI mode.

CONNECTIONS & APPLICATIONS

Connecting Video Devices via HDMI

* This can be applied only if there is the HDMI Output connector on the external device.

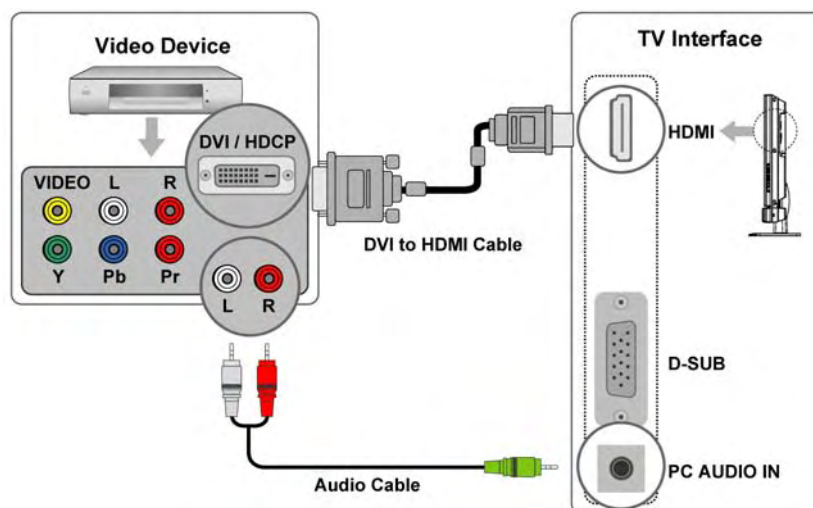


NOTE 1: No sound connector is needed for an HDMI to HDMI connection.

NOTE 2: Connect an HDMI cable between the HDMI connector on the TV and the HDMI connector on the DVD player / Set-Top Box.

Connecting Video Devices via DVI

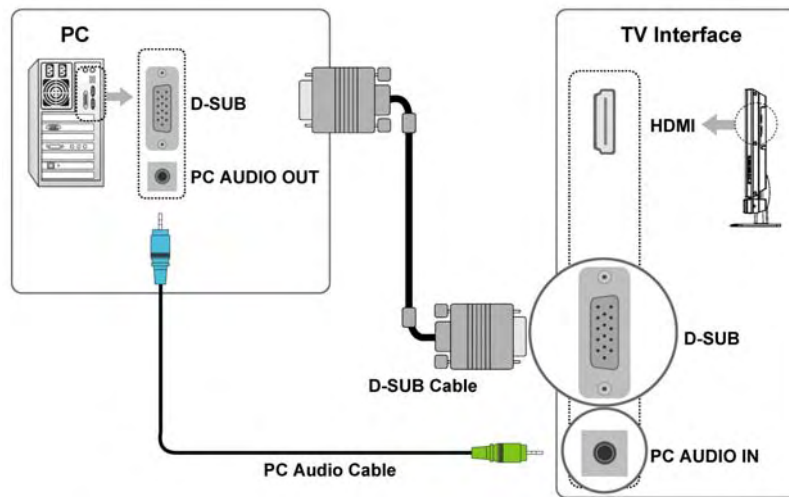
* This can be applied only if there is the DVI Output connector on the external device.



NOTE 1: Connect a DVI-to-HDMI cable or DVI-HDMI adapter between the HDMI connector on the TV and the DVI connector on the DVD player/ Set-top box.

NOTE 2: Connect an audio cable between the PC Audio In jack on the TV and Audio Out jack on the DVD player/ Set-Top box.

Connecting PC via D-SUB

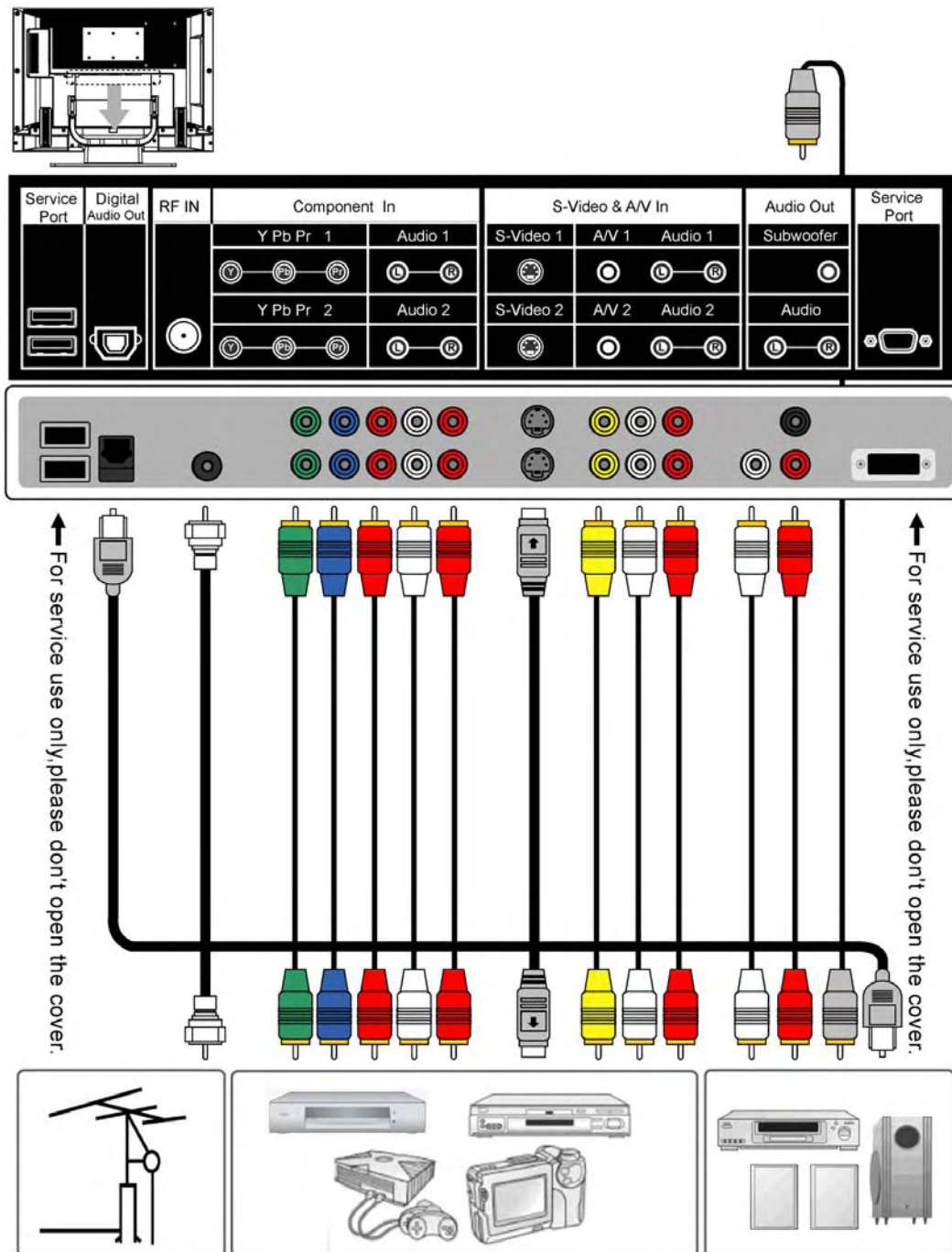


NOTE 1: Connect a D-Sub cable between D-Sub connector on the TV and the D-Sub output connector on your computer.

NOTE 2: Connect a PC audio cable between PC Audio In jack on the TV and the Audio Out jack of the sound card on your computer.

NOTE 3: Does not support DVI to HDMI connection.

Connecting Devices via General Cables



NOTE 1: This TV accepts different Video Input, if video device has a connector with better quality, please connect the better one. The sequence of video quality is Component, S-video, A/V from the best quality to the normal one.

NOTE 2: The Video inputs S-Video and A/V have an accompanying audio input.

NOTE 3: The service ports are only for updating software, please don't remove the cover.

CONTROLS & ADJUSTMENTS

General Adjustments

Turning the LCD TV On and Off

Turning it On

Plug the power cable into the AC-in socket located on the left rear of the LCD TV. Plug the other end into an electrical socket.

Press the **power** button on the remote control or right side of the TV to turn the TV on.

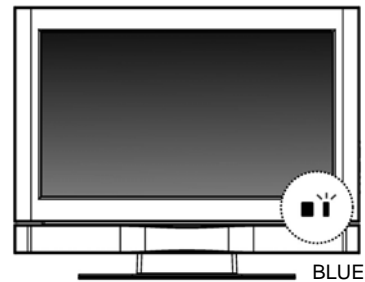
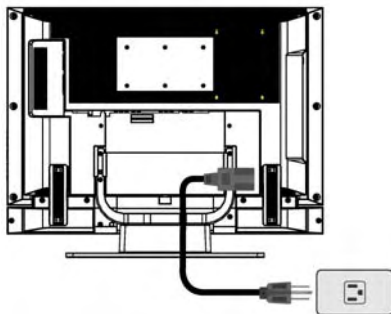


The power status light found in the lower right corner of the TV indicates the following :

BLUE LIGHT – power on

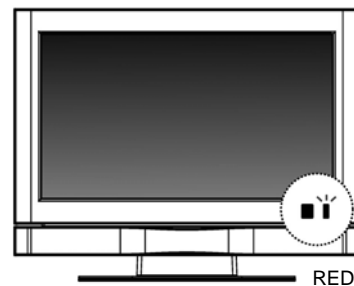
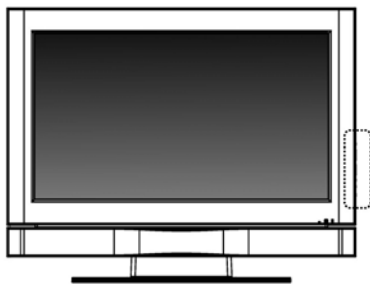
PURPLE LIGHT – power saving (PC mode)

RED LIGHT – power off



Turning it Off

Press the **power** button on the remote control or right side of the TV to turn the TV off.



NOTE: If “NO SIGNAL” appears for 10 minutes in the TV or Video mode, the set will automatically power off.

Power Consumption

Power Consumption is one kind of power management. This system has three modes for the user to set up.

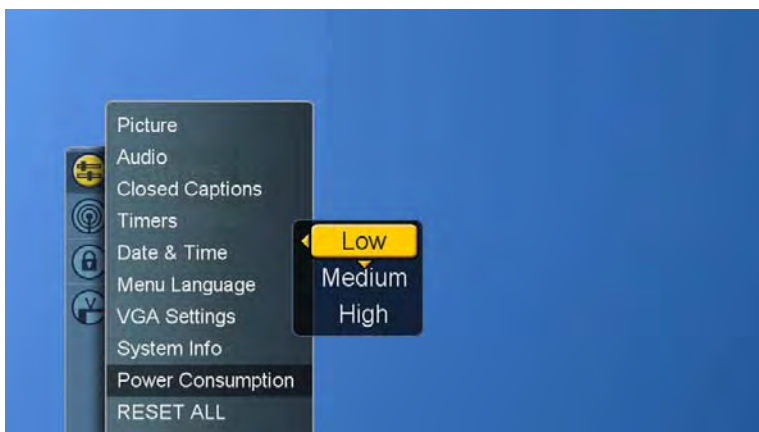
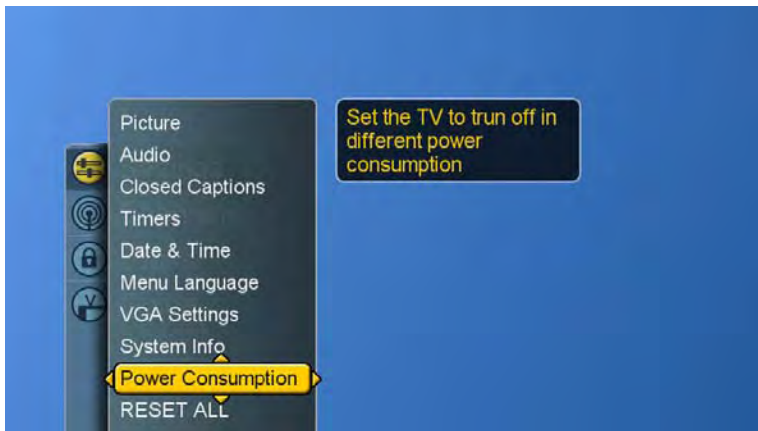
Low: Turns on the display in about 10 to 12 seconds and the power consumption is lower.

Medium: Turns on the display immediately. After turning off the display for two hours, the system will set the power consumption to

High: Turns on the display immediately and the power consumption is higher.



1. Press the **Menu** button to display the main menu.
2. Press the **▲▼** buttons to select **Settings**.
3. Press **▶ / ▼** buttons to select **Power Consumption**.
4. Press **▶** button to display the sub-menu.
5. Press **▲▼** and **OK** buttons to select Low, Medium or High.
6. Press **Exit** button to remove all menus or press **◀** button to return to the previous screen.



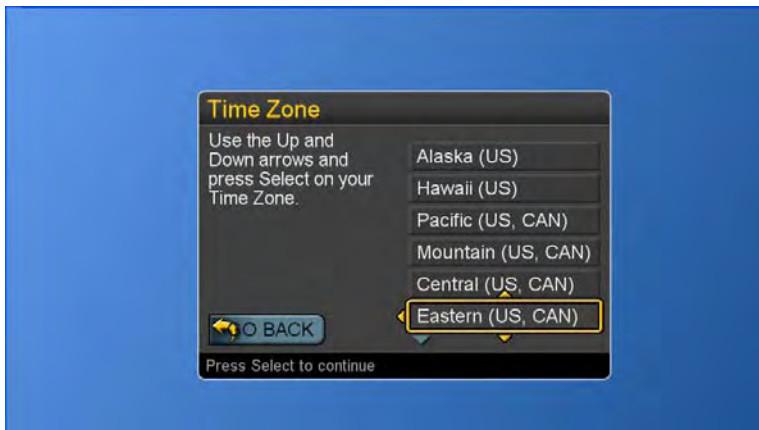
Initial Setup

When the system powers on for the first time after purchase, the initial automatic installation begins.

1. Press the **Power** button on the remote control. A welcome message is displayed. Use the **▲▼** buttons to select the language you want to use for menus, and press the **OK** button to continue.

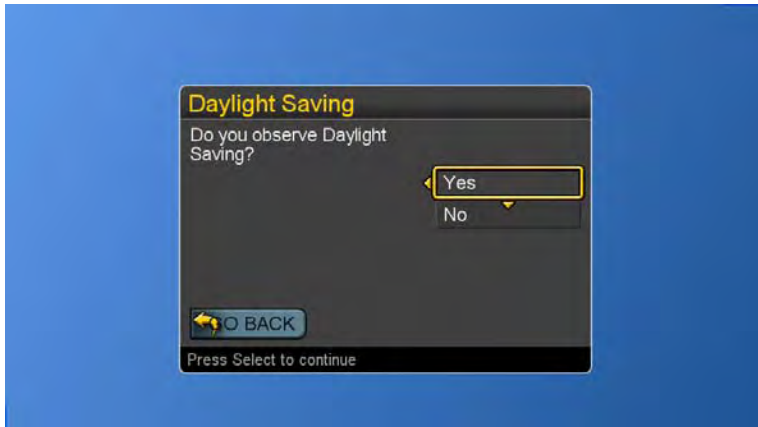


2. Press the **▲▼** buttons to select on your Time Zone, and press the **OK** button to continue.

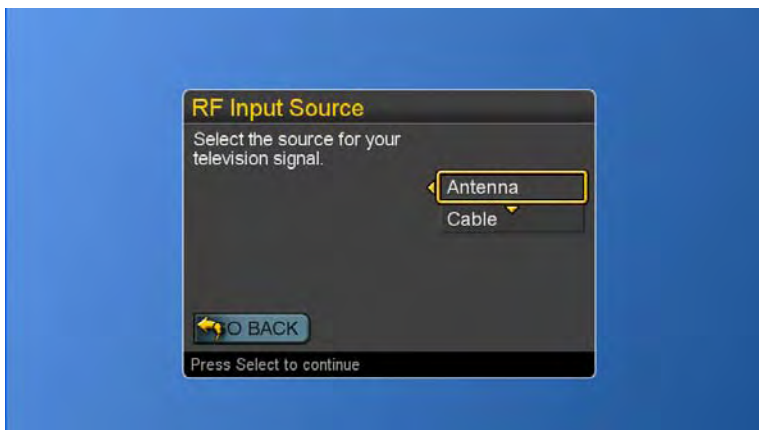


NOTE: It will take about 5 to 30 minutes to finish the Initial Setup process, depending on scanned DTV channels.

3. Press **▲▼** buttons to set the Daylight Savings, and press the **OK** button to continue.



4. Press the **▲▼** buttons to select the source for your TV signal, and press the **OK** button to continue. If the user selects Antenna, the next setup wizard is presented.



If the user selects Cable, the RF Input Source – cable selection screen is displayed: select the type of cable signal you receive.



5. After selecting the Input source, press **OK** to scan and memorize channels. After all the available channels are stored, the channel list appears on the screen and press the **OK** to continue.



6. Press **OK** and start to watch TV.



Reset the features

1. Resetting all settings back to factory settings. This includes the channel map, all Program Info, Favorite channel lists, etc.

The TV should display the Setup Wizard following reset, just as if it was turned on out-of-the-box.

If a PIN is set, the PIN entry dialog is displayed before the Reset All Settings dialog box, even if Locks are temporarily off. If no PIN is set, the dialog is displayed immediately.



7. Press the **Menu** button to display the main menu.
8. Press the **▲▼** buttons to select Settings and press **▶ / ▼** buttons to access the **RESET ALL** screen.
9. Press the **▶** and **OK** buttons to reset all settings.



Changing Channels

Using the Channel buttons

When you press the **CH + / -** buttons, the TV changes channels in sequence. You will see all the channels that the TV has memorized. You will not see channels that were not memorized.

Using the Last button to select the previous channel

To quickly switch between two channels that are far apart, tune to one channel, then use the number button to select the second channel. Press the **Last** button to quickly alternate between them.



Adjusting the Volume

Using Volume Control

Press the **VOL + / -** buttons to increase or decrease the volume.

Using Mute

At any time, you can turn off the sound using the **MUTE** button.

1. Press the **MUTE** button and the sound turns off.
2. Press **MUTE** again or **VOL + / -** buttons to return audio back to the previous volume level.



Switching Source

1. Refer to page 11,12,13 and connect external devices.
2. Press **TV** , **AV/SV** , **YPbPr** , **PC/HD** buttons to choose the source.
3. User can also press the **SOURCE** button repeatedly to choose the desired source.
4. Select an input source as described below :

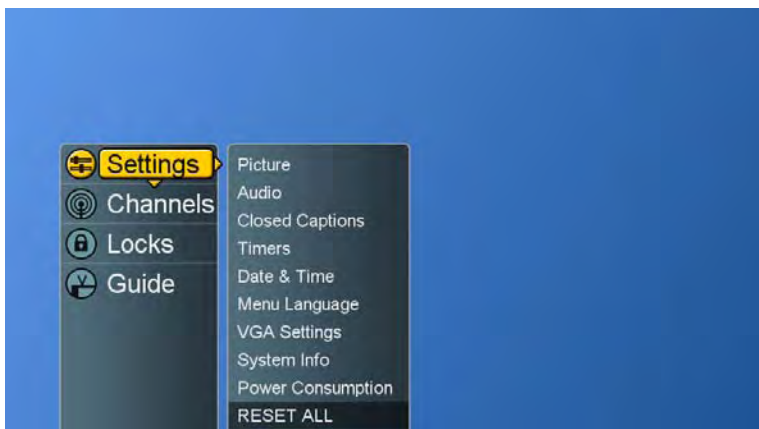
TV	switch to TV mode.
AV/SV	switch to Video 1 or Video 2 mode.
YPbPr	switch to YPbPr 1 or YPbPr 2 mode.
PC/HD	switch to PC or HDMI mode.



Viewing the Menus and On – Screen Displays

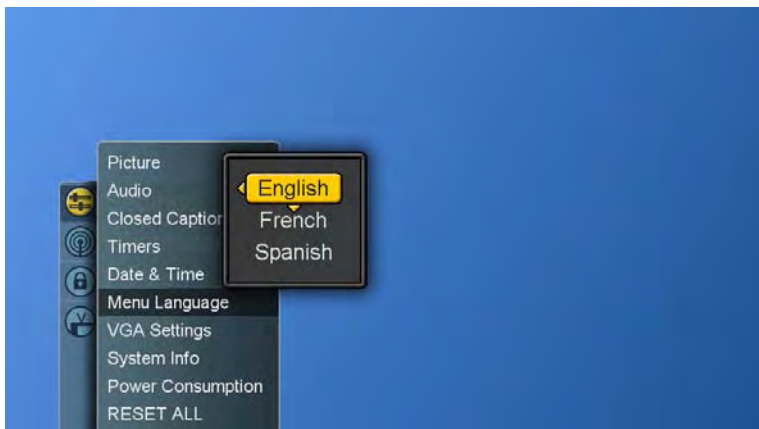
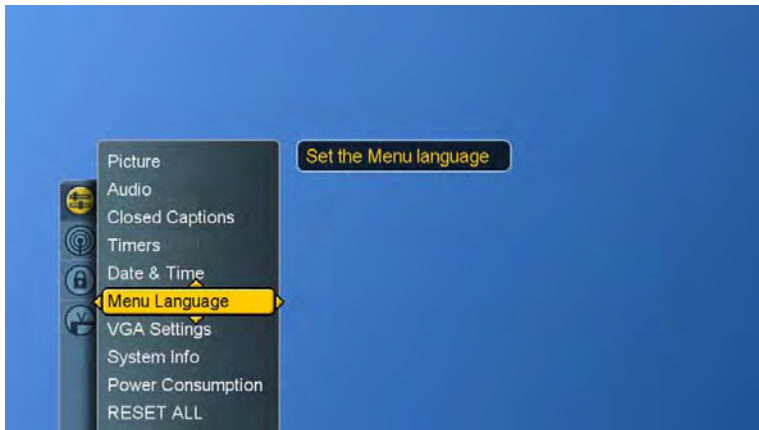
You can use the control buttons on panel underside of the TV or use the remote control to viewing the menus.

1. With the power on, and then press the **Menu** button.
2. The main menu appears on the screen
3. Press the **▲▼◀▶** buttons to access the sub-menus and make adjustments.
4. Press **Exit** button to dismiss all menu or press **Menu** button to return to the main menu.



Switching Language Modes

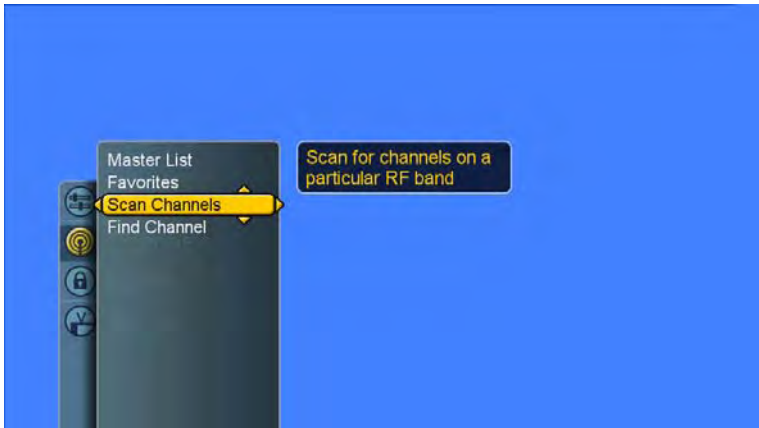
10. Press the **Menu** button to display the main menu.
11. Press the ▲▼ buttons to select **Settings**.
12. Press ► / ▼ buttons to select **Menu Language**.
13. Press ► button to display the sub-menu.
14. Press ▲▼ and OK buttons to select the language.
15. Press **Exit** button to dismiss all menu or press ◀ button to return to the previous screen.



Channel Control

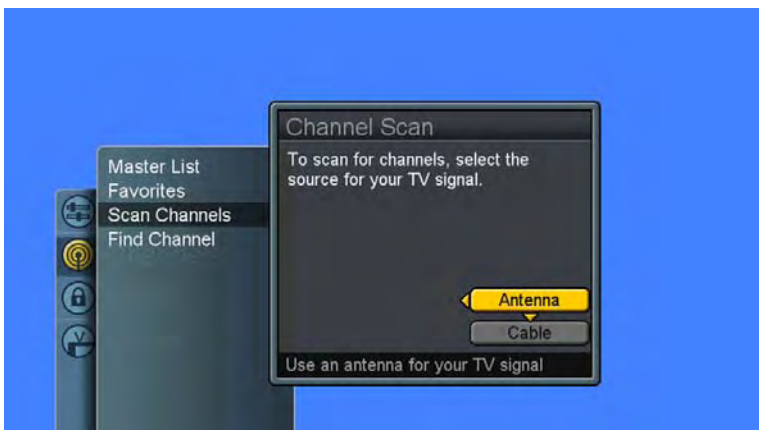
Memorizing Channels

1. Press the **Menu** button to display the main menu.
2. Press the ▲▼ buttons to select **Channels**.
3. Press ► / ▼ buttons to select **Scan Channel**.

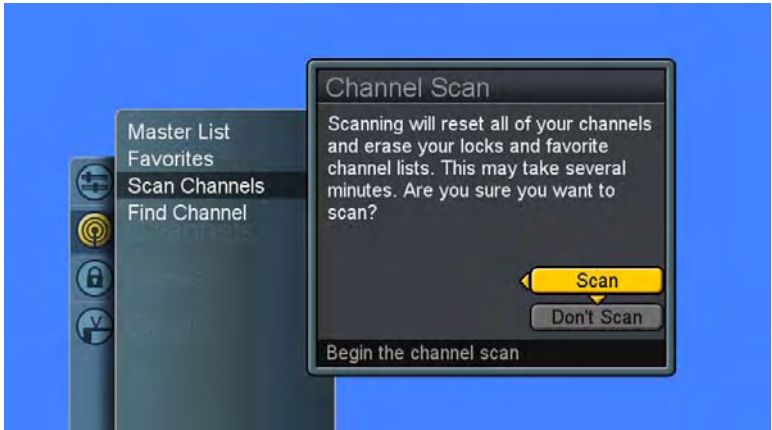


4. Press ► button again to display the menu and then press ▲▼ buttons to select the source for your signal.

If users select Cable , the system will auto detect whether cable operator uses STD, IRC or HRC and select accordingly.



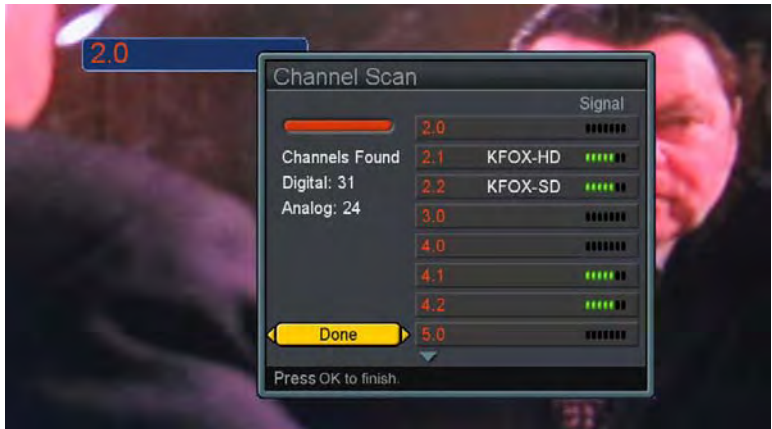
5. Press **OK** button to display Scan screen.



6. Press **OK** button again to start **Channel Scan**.



7. Once the scan is complete, the Channel List will show on the screen and the program of the lowest channel will appear.

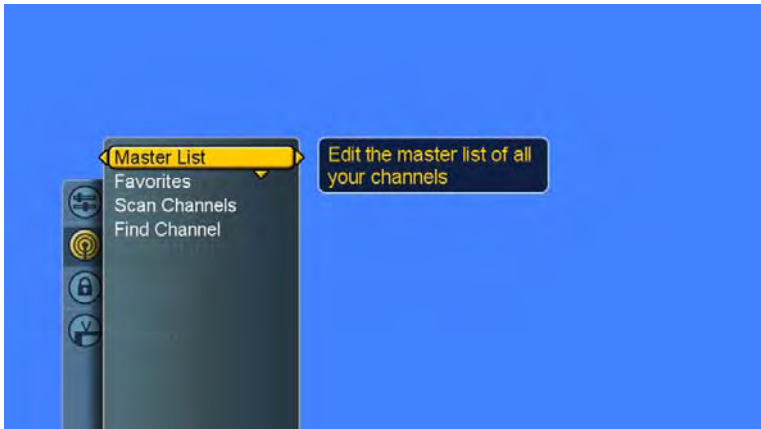


8. Press **OK** button to finish.

NOTE : If you select **Stop Scan**, the scan process will be stopped immediately and the channels scanned will be stored in the non-volatile memory.

Editing the Channel List

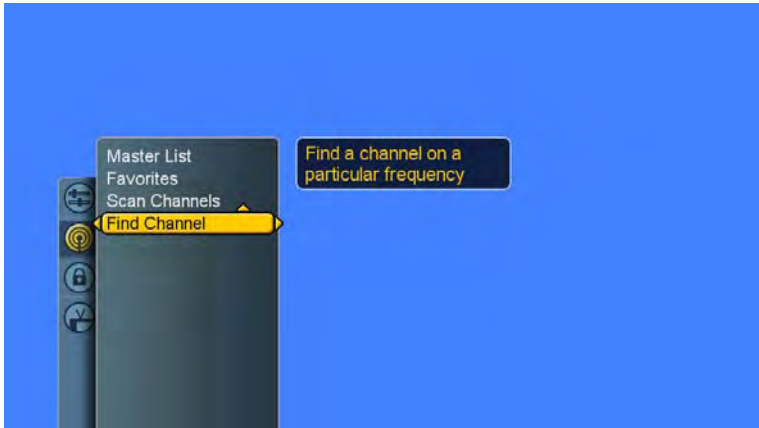
1. Press the **Menu** button to display the main menu.
2. Press the ▲▼ buttons to select **Channels**.
3. Press ► button to select **Master List**.
4. Press ► button again to display the menu and start to edit the list.
5. Press ▲▼◀▶ and **OK** buttons to add or remove channels.
6. Press **Exit** button to dismiss all menu or press **OK** to finish.



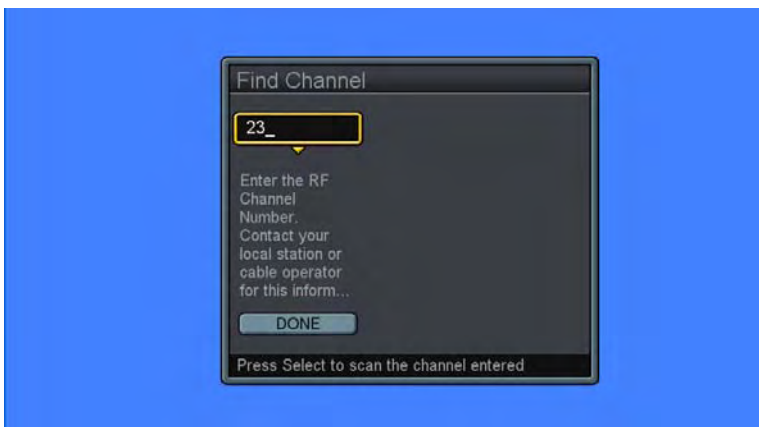
NOTE : Selecting Mark All enables all channels in the list. Digital Only enables just the digital channels.
Unmark All disables all channels in the list.

Finding Channels Directly

1. Press the **Menu** button to display the main menu.
2. Press the **▲▼** buttons to select **Channels**.
3. Press **▶ / ▼** buttons to select **Find Channel**.
4. Press **▶** button again to display the menu.



5. Use **0-9** buttons to enter the channel numbers and press **OK** to scan the channel entered.
6. Press **▼** and **OK** buttons to select **DONE** and finish it.

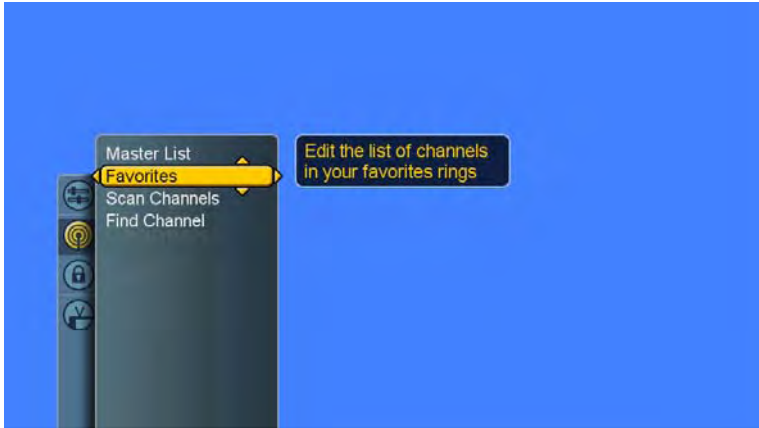


NOTE 1 : If a channel has already been found, the TV will tune to it. If no channel has been found, the TV will tune to the last channel tuned before the Find Channel operation began.

NOTE 2 : Channels are automatically added to the master list when found.

Setting – Up the Favorite Channels

1. Press the **Menu** button to display the main menu.
2. Press the **▲▼** buttons to select **Channels**.
3. Press **▶ / ▼** buttons to select **Favorites**.
4. Press **▶** button again to display the menu and start to edit the favorite channels.

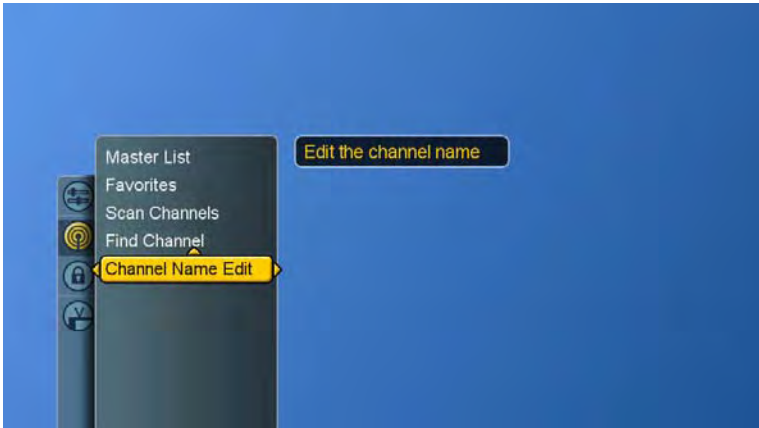


5. Press **▲▼** and **OK** buttons to choose which favorite list to edit. (The system supports 3 favorite channel lists and each list will store 16 channels.)
6. The user can include a channel in a favorites list by marking it, the same way a channel gets enabled in the master list.



Channel Name Edit

1. Press the **Menu** button to display the main menu.
2. Press the **▲▼** buttons to select **Channels**.
3. Press **▶ / ▼** buttons to select **Channel Name Edit**.
4. Press **▶** button again to display the channel list.



5. Press **▲▼** and **OK** buttons to choose which channel you want to edit.



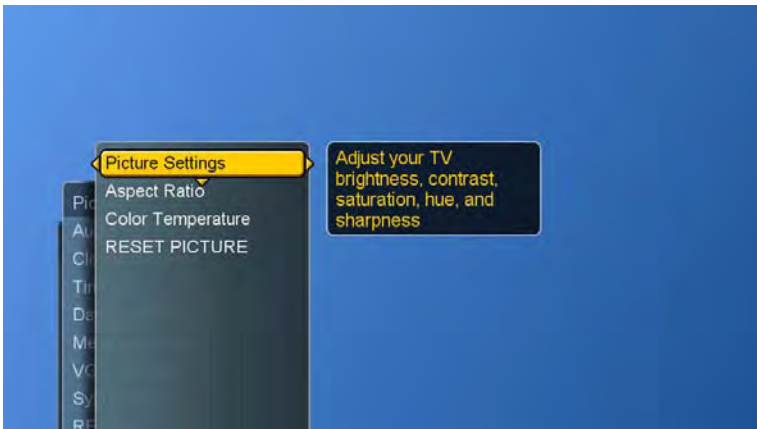
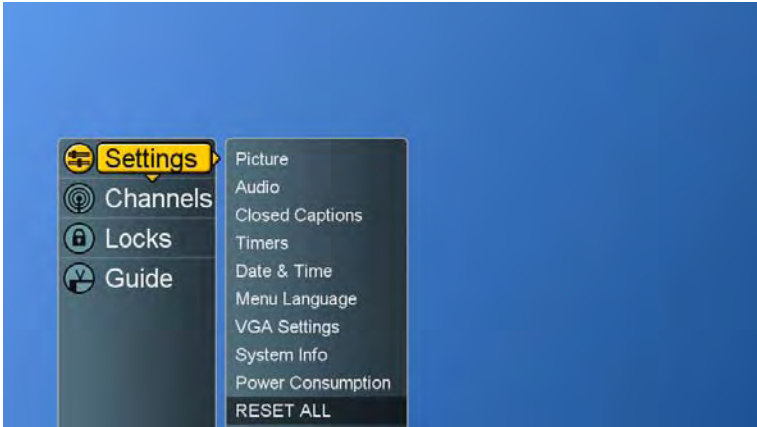
6. Press the **▲▼◀▶** buttons to enter the name.
7. Move to "Done" and press **OK** button to finish.



Picture Control

Adjusting Picture Setting

1. Press the **Menu** button to display the main menu.
2. Press the **▲▼** buttons to select **Settings**.
3. Press **▶** button twice to access **Picture Settings**.



4. Press **▶** button again to display the menu.
5. Press **▲▼** and **OK** buttons to choose the desired item.
6. Press **◀▶** buttons to adjust ranges from minimum to maximum and press **▲▼** buttons to choose other items.

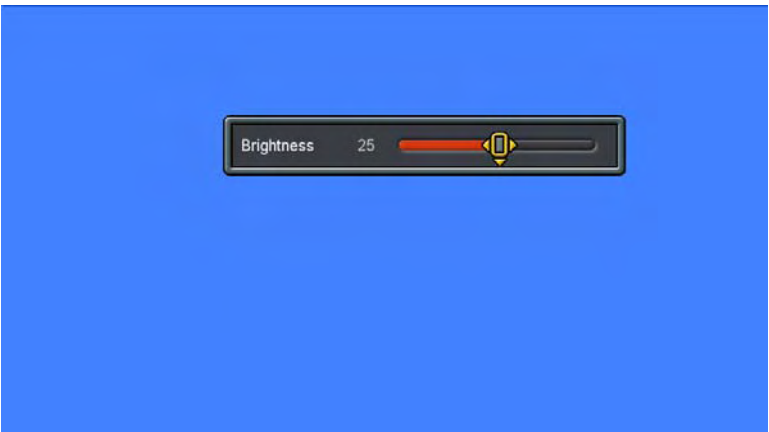
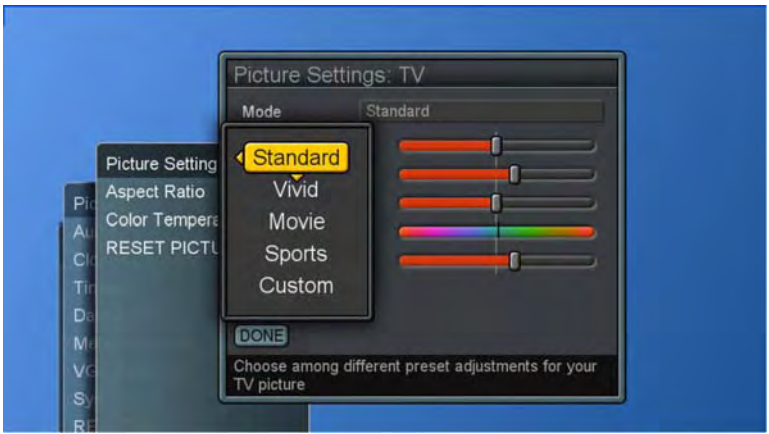
Brightness : Darker and brighter picture brightness

Contrast : Increase and decrease picture contrast

Saturation : Deeper and lighter picture color

Hue : modify the tint of picture color

Sharpness : Softer and sharper image

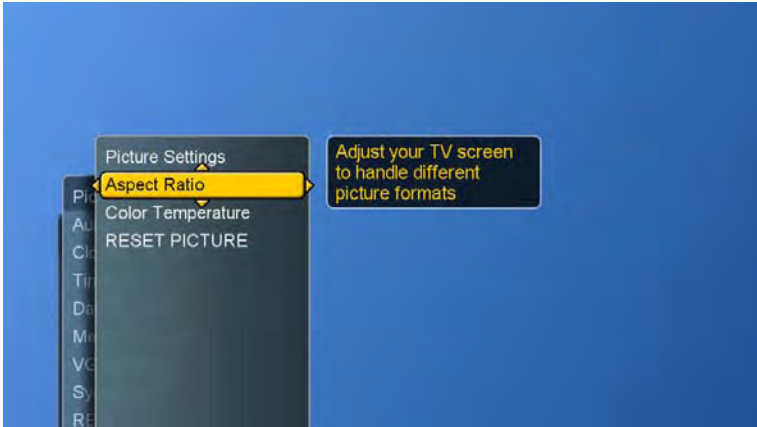


7. Press **OK** button to return to the previous screen or press **Exit** button to dismiss all menu.

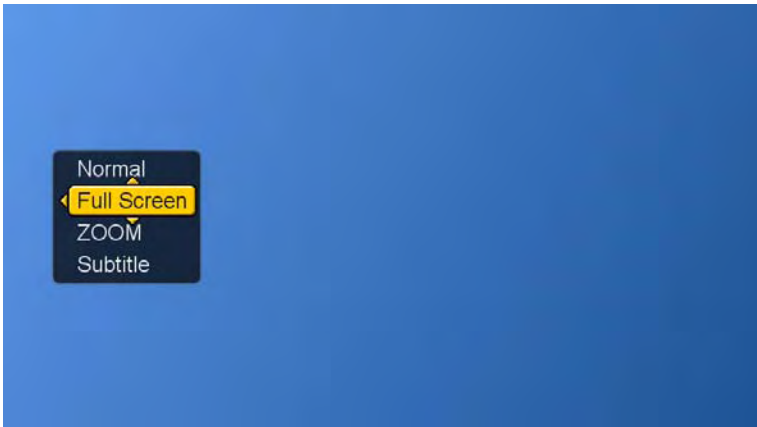
NOTE: Settings for **Standard**, **Vivid**, **Movie**, **Sports** are pre-configured. When you change the settings and the system will become **Custom** automatically.

Adjusting TV Screen

1. Press the **Menu** button to display the main menu.
2. Press the **▲▼** buttons to select **Settings**.
3. Press **▶** button to access **Picture** sub-menu.
4. Press **▶/▼** button to select **Aspect Ratio**.



5. Press **▶** button again to display the menu.



6. Press **▲▼** buttons to choose the different modes.

Normal: displays the image exactly as broadcast .

Full Screen: stretches the image to fit the screen
(no part of the image is cut off, but the image may appear distorted)

Zoom: scales the image larger, and will cut off part of the image

Subtitle: shift the image up to show the subtitle.

7. Press **◀** button to return to the previous screen or press **Exit** button to dismiss all menu.

Adjusting the Color Temperature

Adjust the white balance of the picture.

1. Press the **Menu** button to display the main menu.
2. Press the **▲▼** buttons to select **Settings**
3. Press **▶** button to access **Picture** sub-menu.
4. Press **▶/▼** buttons to select **Color Temperature** and then press **▶** button to display the menu.
5. Press **▲▼** and **OK** buttons to choose Cool, Neutral or Warm.

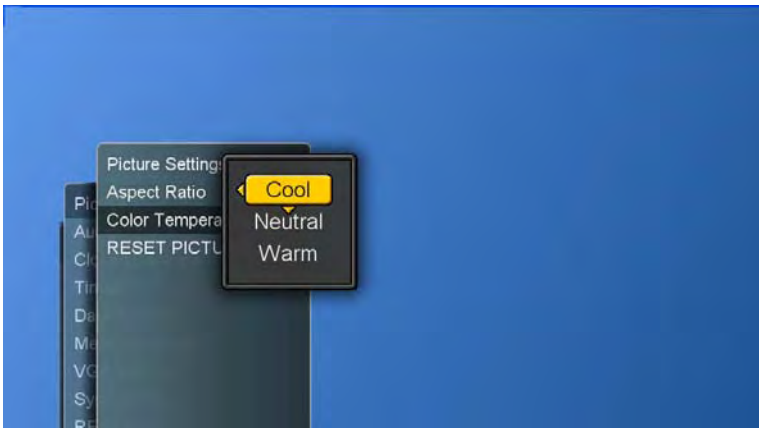


Cool: a bluish white

Neutral: a normal white

Warm: a reddish white

6. Press **◀** button to return to the previous screen or press **Exit** button to dismiss all menu.



User can reset the picture settings back to factory settings.

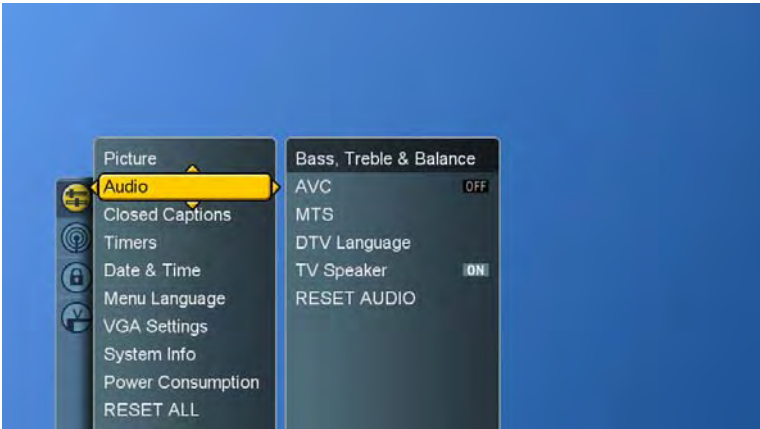
1. Press the **Menu** button to display the main menu.
2. Press the ▲▼ buttons to select **Settings**
3. Press ► button to access **Picture** sub-menu.
4. Press ►/▼ buttons to select **RESET PICTURE** and then press ► button to display the menu.
5. Press ► and **OK** buttons to reset picture settings.



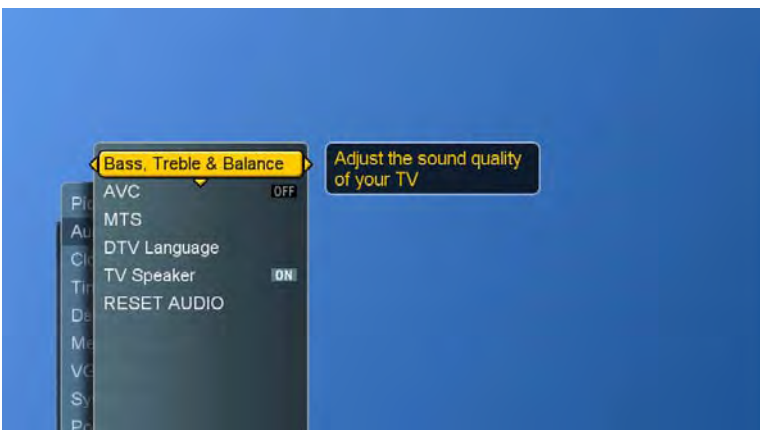
Sound Control

Adjusting the Sound Quality

1. Press the **Menu** button to display the main menu.
2. Press the ▲▼ buttons to select **Settings**.
3. Press ► / ▼ buttons to select **Audio**.



4. Press ► button to select **Bass, Treble & Balance** and then press ► button again to display the menu.

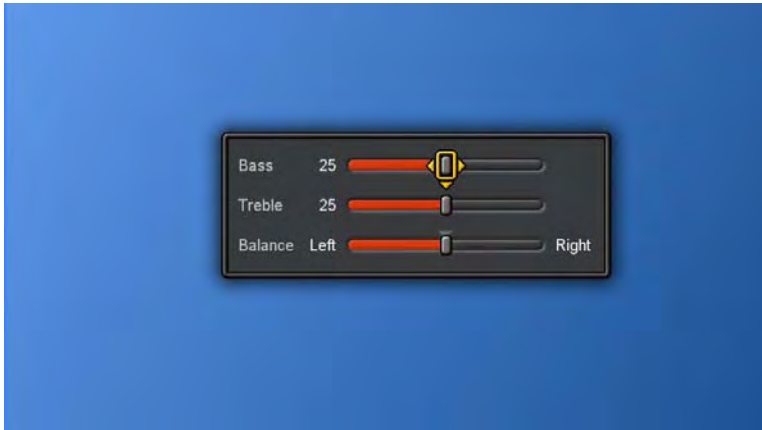


5. Press ▲▼ buttons to choose the desired item and then press ◀▶ buttons to make adjustments.
6. Press **OK** button to finish or **Exit** button to dismiss all menu.

Bass: Adjust low tone of sound.

Treble: Adjust high tone of sound.

Balance: Adjust the volume balance between the left and right speakers.

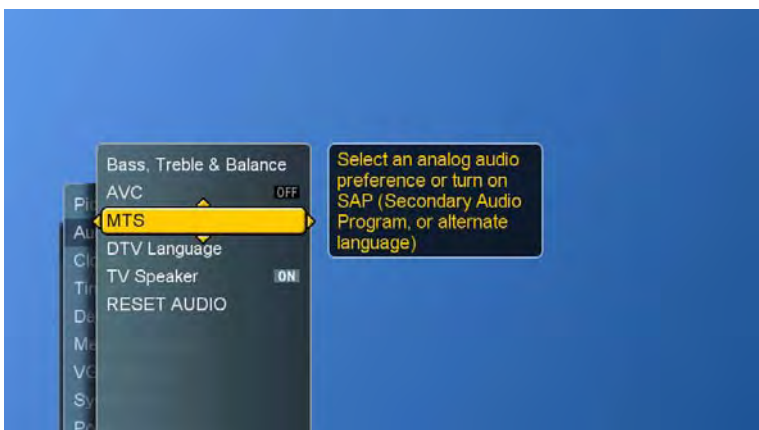


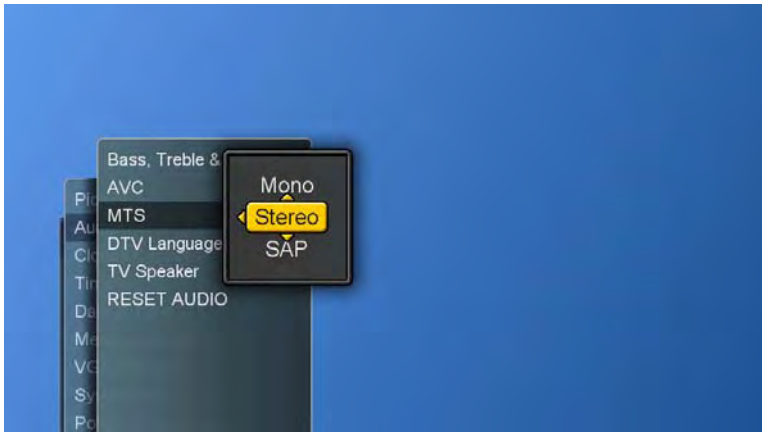
Analog TV

Choosing a Multi-Channel Television Sound

Depending on the particular program being broadcast, you can listen to Stereo, Mono or a Separate Audio Program. (SAP audio is usually a foreign-language translation).

1. Press the **Menu** button to display the main menu.
2. Press the ▲▼ buttons to select **Settings**.
3. Press ► / ▼ buttons to select **Audio**.
4. Press ► / ▼ buttons to select **MTS** and then press ► button to display the menu.
5. Press ▲▼ and **OK** buttons to choose the desired item.
6. Press ◀ button to return to the previous screen or press **Exit** button to dismiss all menu.





NOTE : User can press the “MTS” button on the remote control to access the MTS menu quickly.

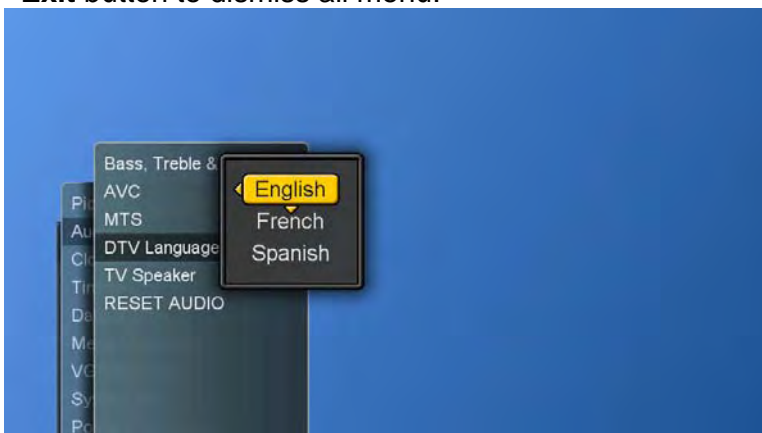
Digital TV

Choosing a Multi-Track Sound (MTS)

Preferred Language

The digital TV transmission system is capable of simultaneous transmission of many audio tracks (for example, simultaneous translations of the program into foreign languages).

1. Press the **Menu** button to display the main menu.
2. Press the ▲▼ buttons to select Settings.
3. Press ► / ▼ buttons to select Audio.
4. Press ► / ▼ buttons to select DTV Language and press ► button again to display the menu.
5. Press ▲▼ and **OK** buttons to choose the desired item.
6. Press ◀ button to return to the previous screen or press **Exit** button to dismiss all menu.



NOTE: For a short cut to access the MTS menu, press the “MTS” button on the remote control. You can listen in a language other than your chosen language by pressing the “MTS” button.

Other Sound Settings

1. Press the **Menu** button to display the main menu.
2. Press the **▲▼** buttons to select **Settings**.
3. Press **▶ / ▼** buttons to select **Audio**.
4. Press **▶/ ▼** button to select other items.
5. Press **OK** button to confirm.



AVC

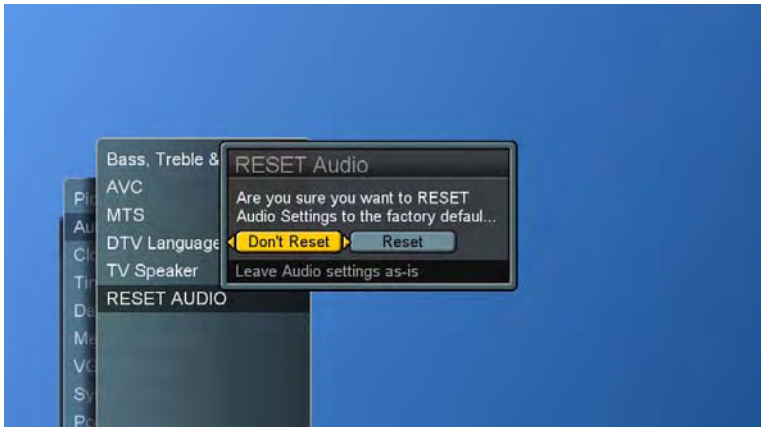
[ON]: for general use, like commercial advertisement, AVC can avoid the sound turns up or down suddenly.

[OFF]: for special sound effect, like opera or symphony, volume can be performed in accordance with the original sound level.

TV Speaker

Turn the **TV Speaker** on or off if your TV is connected to home theater or stereo.

6. User can reset the audio settings back to factory settings.

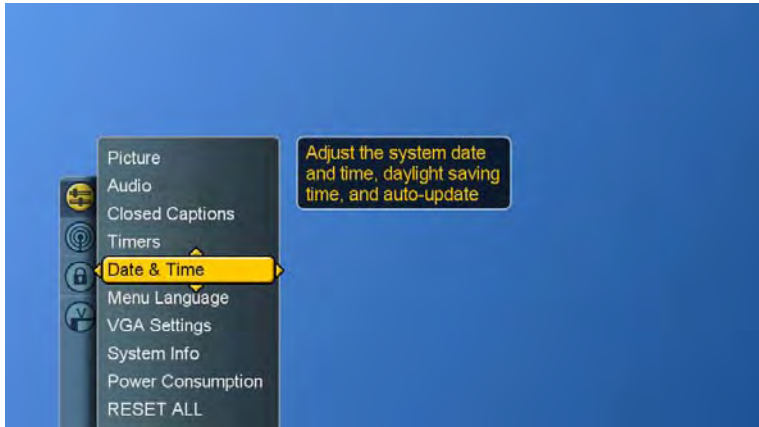


Time Setting

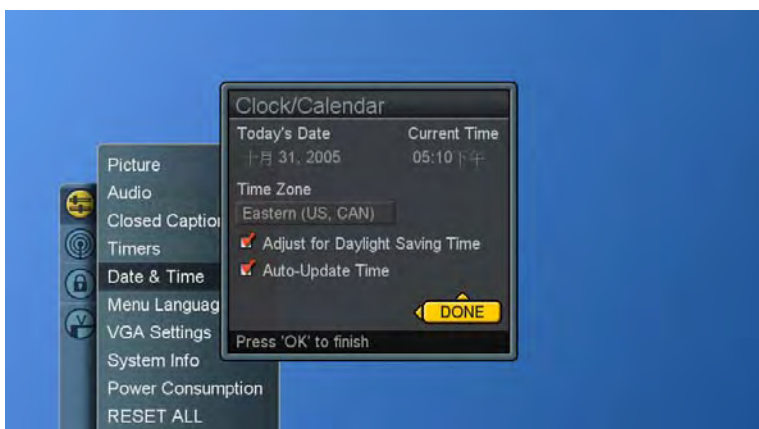
Setting the Clock

Setting the clock is necessary in order to use the various timer features of the TV.

1. Press the **Menu** button to display the main menu .
2. Press the **▲▼** buttons to select **Settings** .
3. Press **▶ / ▼** buttons to select **Date & Time**.



4. Press **▶** button again to display the menu.
5. Press **▲▼ ◀ ▶** and **OK** buttons to move to Today's Date ,Current Time and Time Zone .
6. Press **OK** button to select one item and use **▲▼ ◀ ▶** buttons to make the settings.
7. Press **OK** button to return to the previous screen or press **Exit** button to dismiss all menu.



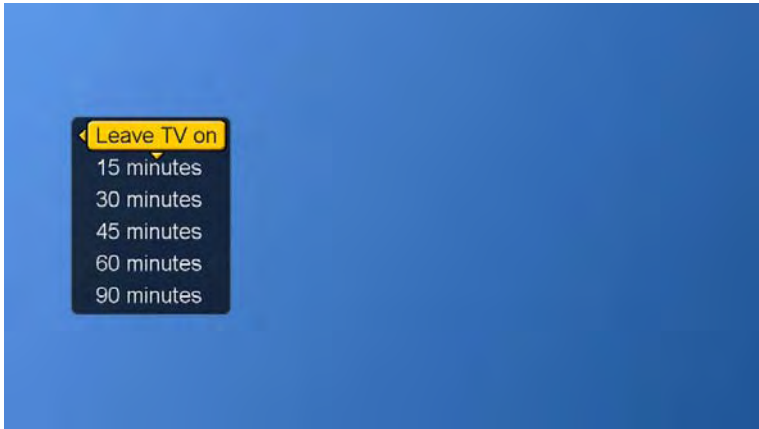
NOTE 1: The current time will appear when you press the INFO button.

NOTE 2: If the user checks the Auto-Update Time option, this feature receives the time from broadcast data stream. When Auto-Update is on, all other time adjustments except for “Adjust for Daylight Savings Time” and Time Zone are “grayed out” and cannot be modified by the user.

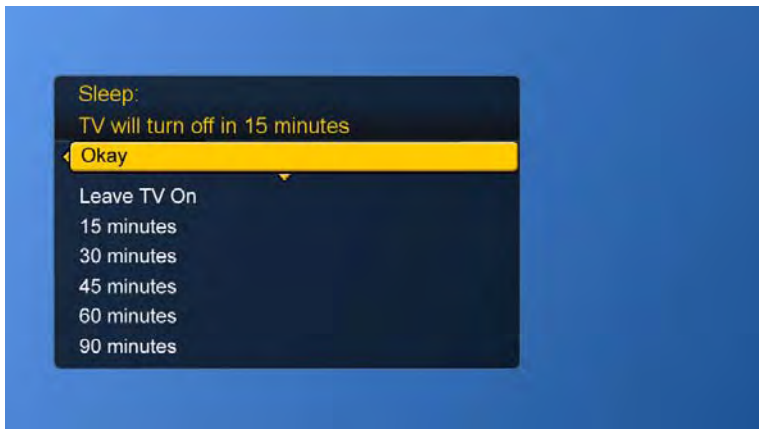
Setting the Sleep Timer

The sleep timer automatically shuts off the TV after a preset time (from 15 to 90 minutes).

1. Press the **Sleep** button to display the menu.
2. Leave TV on item is highlighted and the system is set to not turn off.
3. Press **▲▼** and **OK** buttons to set the time.



4. While the Sleep feature is set, press once to display the menu again, which shows the remaining time and includes the option to keep the current time set.
5. Press **Exit** to dismiss the menu.

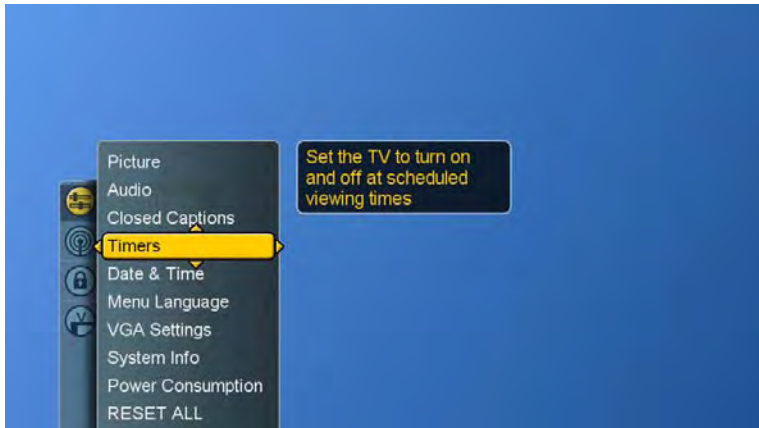


NOTE: If you turn off the TV, the Sleep timer is cancelled. It then reverts back to the default setting the next time the sleep function is set.

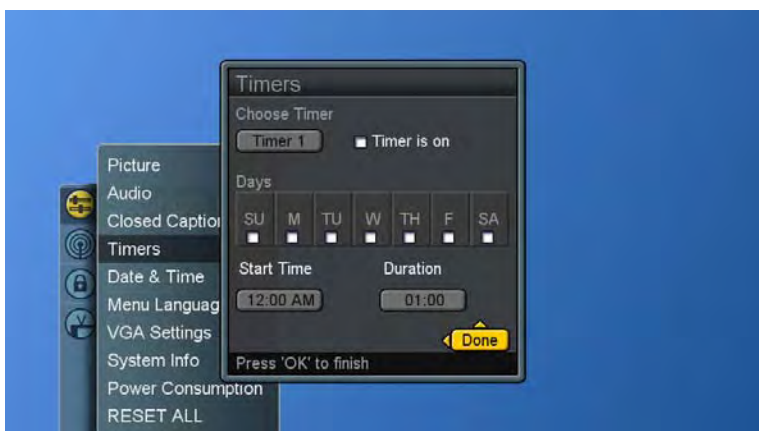
Setting the On / Off Timer

The system supports two timers to be used to turn on and off at scheduled viewing times.

1. Press the **Menu** button to display the main menu.
2. Press the **▲▼** buttons to select **Settings**.
3. Press **▶ / ▼** buttons to select **Timers**.
4. Press **▶** button to display the menu.



5. Press the **▲▼◀▶** buttons to move to Choose Timer, Days, Start Time and Duration.
6. Press **OK** button to select the desired days for the timer to execute by checking or un-checking the check boxes and make the settings.
7. Press **OK** button to return to the previous screen or press **Exit** button to dismiss all menu.



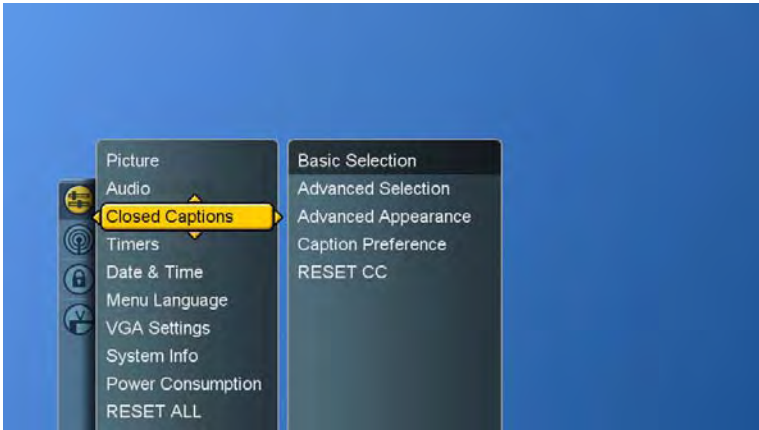
NOTE 1: This feature is only available if the clock in the system has been set.

NOTE 2: During any conflict, Timer 1 takes precedence over Timer 2. In other conflicts, the timer that launches first takes precedence. When the TV is on, any timers set to launch will do nothing.

Viewing Closed Captions

This LCD TV has the ability to decode and display closed caption content if supported by the program. These captions are usually used for the hearing impaired or for foreign language translations.

1. Press the **Menu** button to display the main menu.
2. Press the **▲▼** buttons to select **Settings**.
3. Press **▶ / ▼** buttons to select **Closed Caption**.



4. Press **▶** and **▲▼** buttons to select Closed Caption Service.
5. Press **▶** button to display the menu.

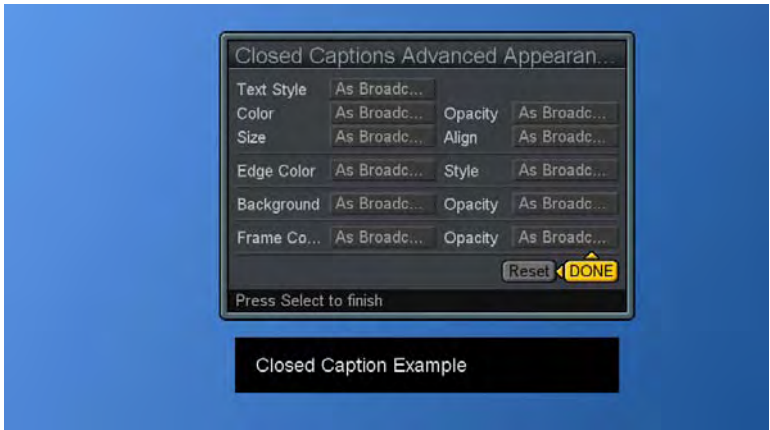
Basic Selection: the preferred basic selection can take a value in the range CC1-CC4 and T1-T4.

Advanced Selection: the preferred advanced selection can take a value in the range CS1-CS6.

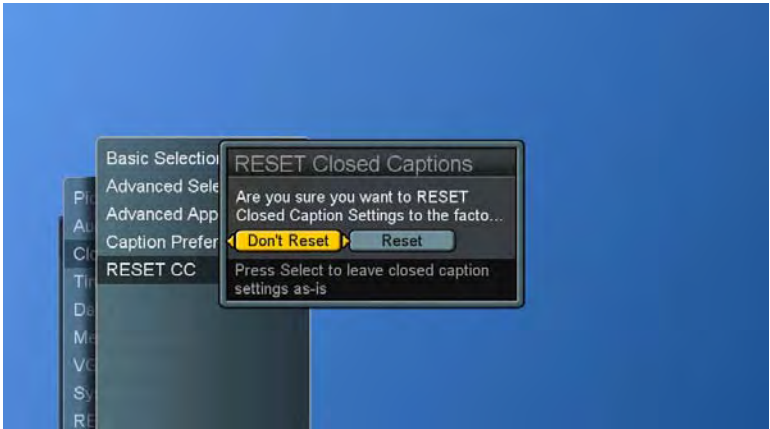
Advanced Appearance: allow for controlling

- Window background color
- Window background opacity
- Font size
- Font style
- Font foreground color
- Font foreground opacity
- Font background color
- Font background opacity
- Font edge type
- Font edge color

Caption Preference: applies to digital channels only, can either be basic, advanced or auto.



6. User can reset Closed Captioning back to factory settings.



7. Press **Exit** button to dismiss all menu.

NOTE: The Closed Caption feature does not work with Component (expect for 480i) Video / PC / HDMI input source.

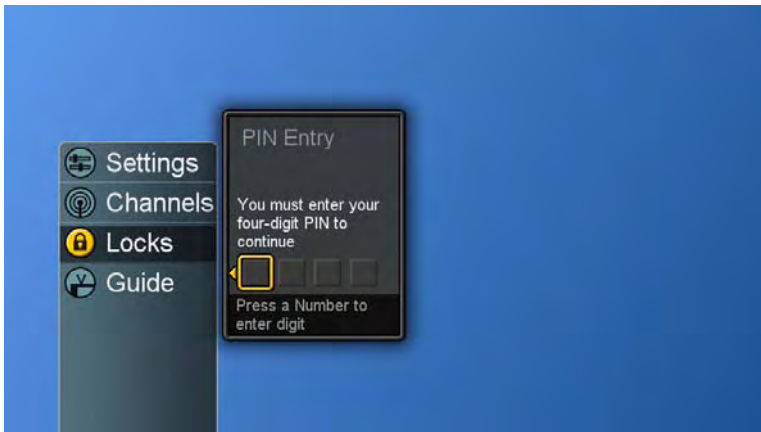
Parent Control and Locks

Setting Ratings and Channel Locks

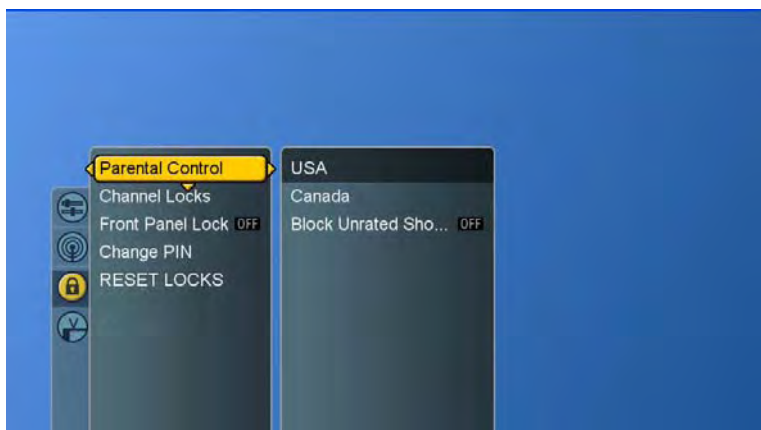
Parental Control

Parental Control allows a user to block viewing of programs according to their content and rating levels.

1. Press the **Menu** button to display the main menu.
2. Press the ▲▼ buttons to select **Locks** and press ► button to access the PIN Entry menu.
3. Enter your 4-digit PIN to access the Locks sub-menu.



4. Press ► and ▲▼ buttons to select **Parental Control**.



NOTE: The factory default PIN code is "0000".

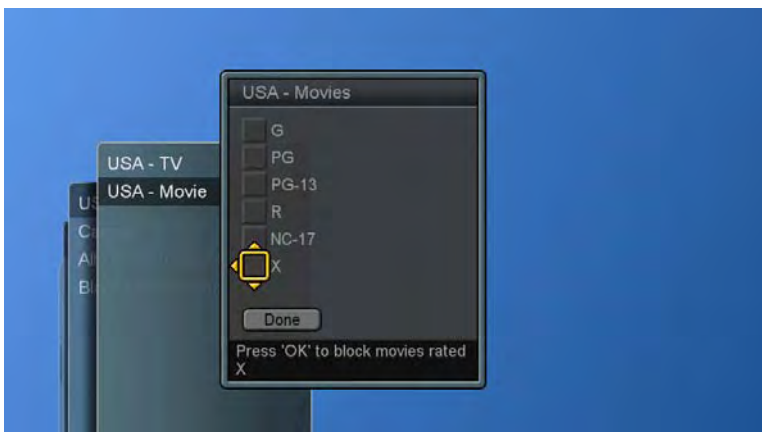
5. Press ► and ▲▼ buttons to select **USA** , **Canada** or **Block Unrated Shows**.

* USA custom ratings menu include TV and Movie Ratings.



TV Rating

Rating Code	Description	Rating Code	Description
Age-Based		Content-Based	
TV-Y	All children	FV	Fantasy Violence
TV-Y7	Directed to children age 7 and older	D	Suggestive dialogue
TV-G	General audience	L	Strong language
TV-PG	Parental guidance suggested	S	Sexual situations
TV-14	Parents strongly cautioned	V	Violence
TV-MA	Mature audience only		



Movie Rating

Rating Code	Description
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 one under 17 or under allowed
X	X Rated

* Canada custom ratings menu include English and French Ratings.



French Rating

Rating Code	Description
G	General programming
8 ans+	Not recommended for young children
13 ans+	Not recommended for ages under 13
16 ans+	Not recommended for ages under 16
18 ans+	Programming restricted to adults



English Rating

Rating Code	Description
C	All children
C8+	Children 8 years and older
G	Adult programming
PG	Parental Guidance
14+	Viewers 14 and older
18+	General programming

- * Block Unrated Shows will warn the user that blocking unrated TV programs will not allow them to view programs that do not have a rating.



6. Press **Exit** button to dismiss all menu.

Channel Locks

The user may navigate through the channel list and toggle lock on or off for a specific channel by pressing the **OK** button. There are also choices that will Mark All channels and Unmark All.

1. Press the **Menu** button to display the main menu.
2. Press the **▲▼** buttons to select **Locks** and press **▶** buttons to access the PIN Entry menu.
3. Enter your 4-digit PIN to access the Locks sub-menu.
4. Press **▲▼** buttons to select **Channel Locks**.



5. Press ► button to display the menu.
6. Press ▲▼◀► and **OK** buttons to select lock or unlock the channel.
7. Press **Exit** button to dismiss all menu.

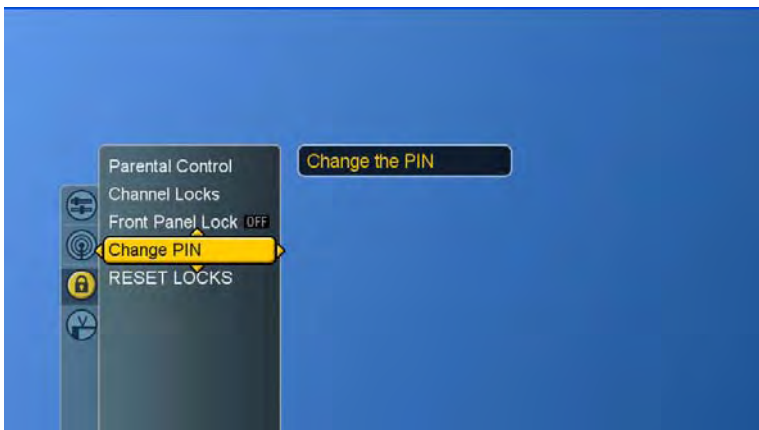
NOTE 1: Note that changes to Channel Locks are effective immediately unless the TV is temporarily unlocked due to entering a PIN when a Ratings or Channel Lock is encountered.

NOTE 2: If a new channel is encountered during channel change or added by using the Find Channel feature, its default state is unlocked.

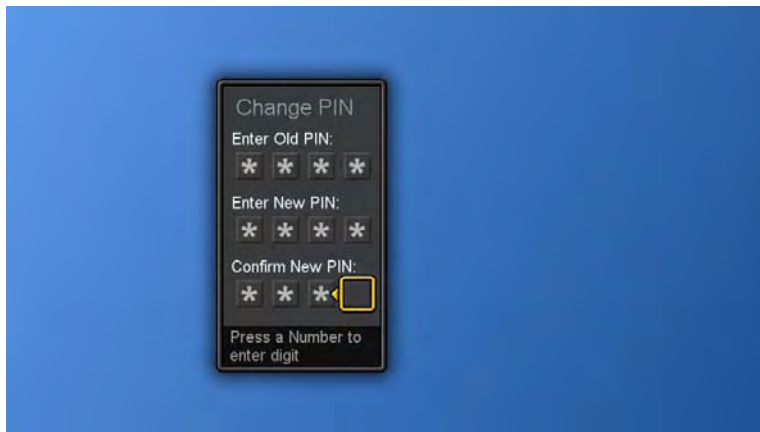
Setting Up Your Personal ID Number (PIN)

Allows the user to set a new PIN. The PIN is a four-digit numerical PIN masked from display. The user must enter the new PIN, and will then be prompted a second time for confirmation.

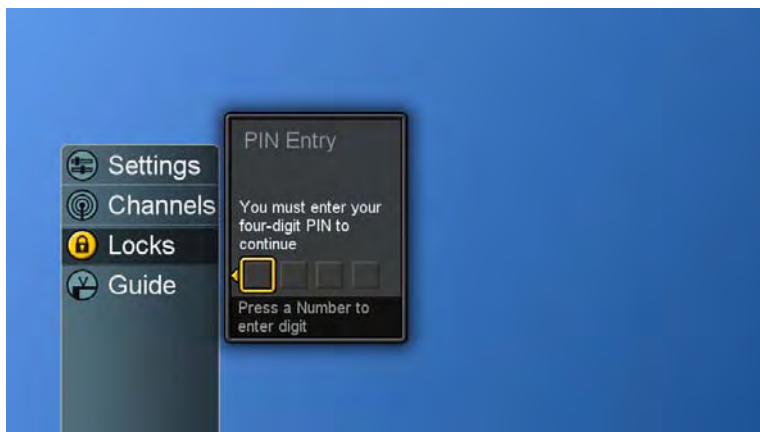
1. Press the **Menu** button to display the main menu.
2. Press the ▲▼ buttons to select **Locks** and press ► buttons to access the PIN Entry menu.
3. Enter your 4-digit PIN to access the Locks sub-menu.
4. Press ▲▼ buttons to select **Change PIN**.



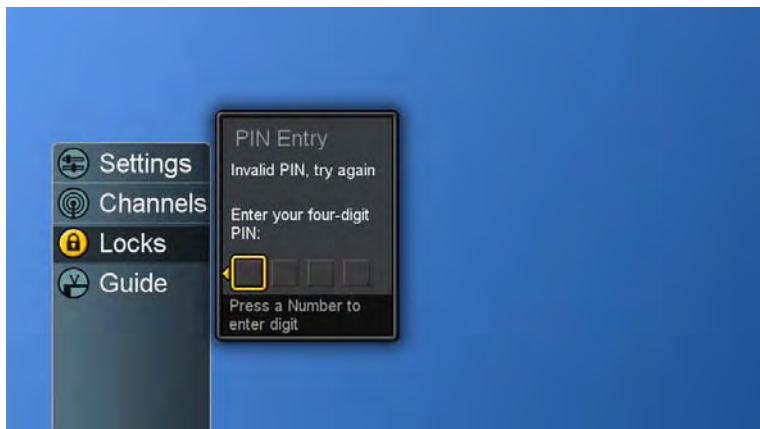
5. Press ► button to display the Change PIN menu.
6. Enter the old 4-digit PIN and then enter your new 4-digit PIN.
7. Enter the 4-digit PIN again to confirm, the Change PIN menu will disappear when it finished.



8. When user wants to access the Locks menu next time, system will request to enter the PIN.



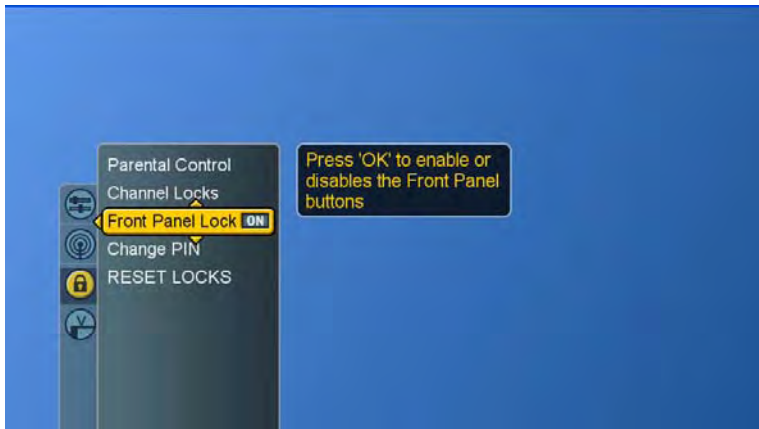
9. If the PIN number is incorrect, the menu will appear as below.



Child Lock

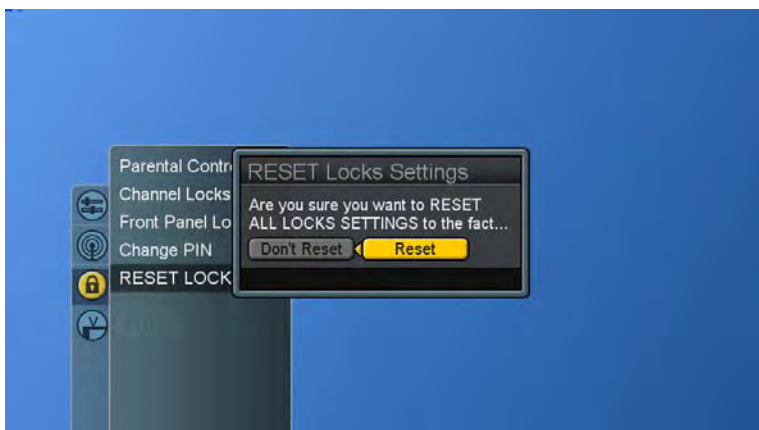
User can disable the Front Panel buttons by turning on the Front Panel Lock function.

1. Press the **Menu** button to display the main menu.
2. Press the ▲▼ buttons to select **Locks** and press ► buttons to access the PIN Entry menu.
3. Enter your 4-digit PIN to access the Locks sub-menu.
4. Press ▲▼ buttons to select **Front Panel Lock**.
5. Press **OK** button to turn on or off.



Reset the Locks Settings

1. Press the **Menu** button to display the main menu.
2. Press the ▲▼ buttons to select **Locks** and press ► buttons to access the PIN Entry menu.
3. Enter your 4-digit PIN to access the Locks sub-menu.
4. Press ▲▼ buttons to select **RESET LOCKS**.
5. Press ► button to display the menu.
6. Press ◀▶ buttons to reset the settings.

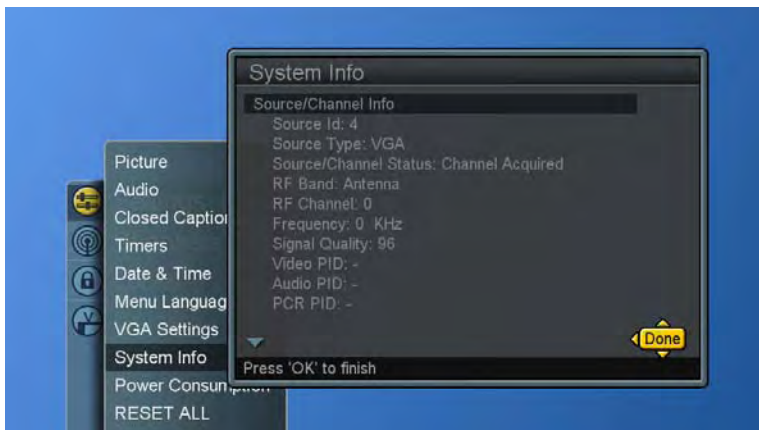


NOTE: All lock settings can be reset, except the PIN. To reset the PIN, the user must reset all settings.

System Info

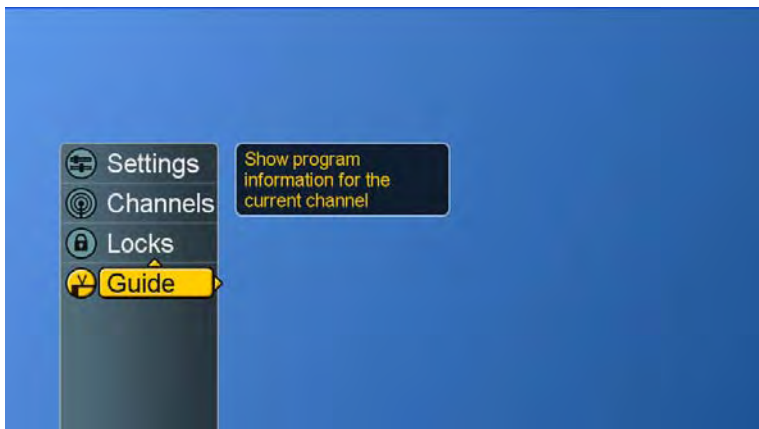
Display system info for customer service/ troubleshooting calls.

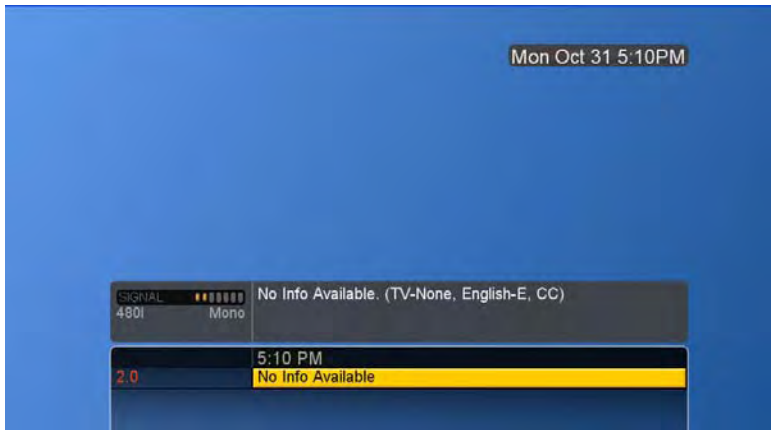
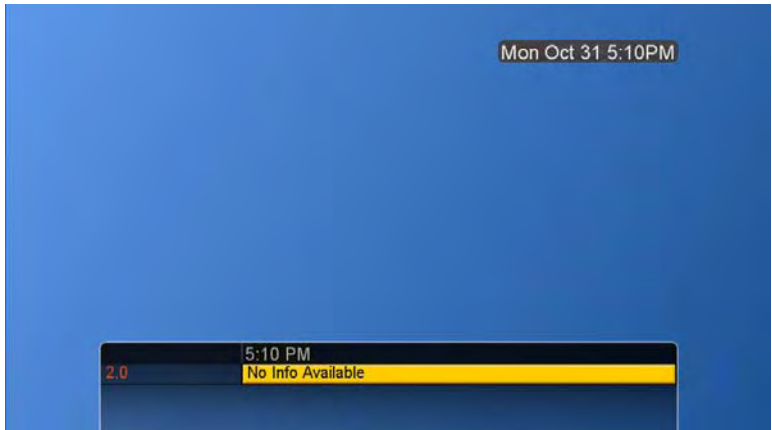
1. Press the **Menu** button to display the main menu.
2. Press the ▲▼ buttons to select **Settings**.
3. Press ► / ▼ buttons to select **System Info**.
4. Press ► button to show the info.
5. Press **Exit** button to dismiss all menu.



Showing Program Info Data

1. Press the **Menu** button to display the main menu.
2. Press the ▲▼ buttons to select **Guide**.
3. Press ► button again to show the info.
4. Press **Exit** button to dismiss all menu.



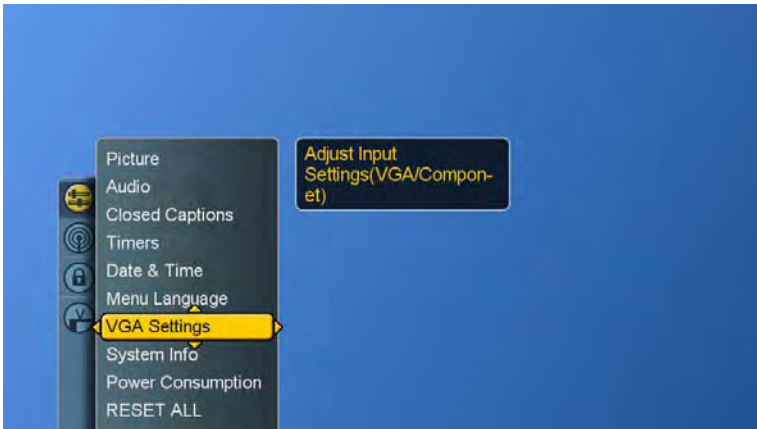


NOTE: The user can quickly show the information by pressing the Guide button on the remote control. Pressing the Guide button cycles the display through these three states: (a) Show Title Display only (b) Show Title and Description Display (c) Cleared.

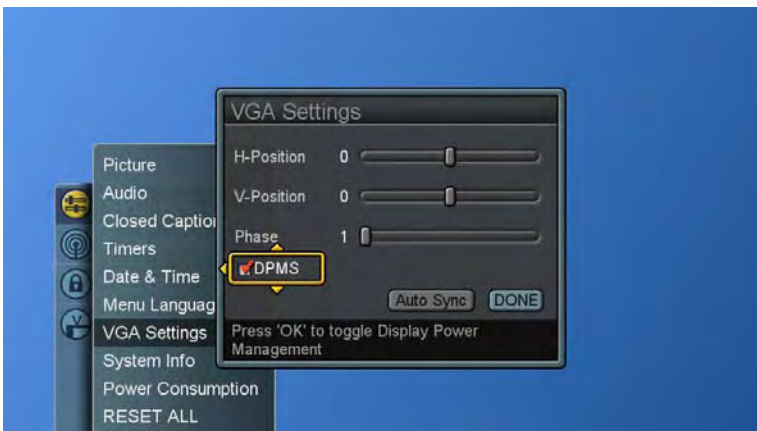
PC mode Adjustments

The VGA Settings allows the user to control certain VGA specific features.

1. Press **Source** button to select PC source (refer to page 18).
2. Press the **Menu** button to display the main menu.
3. Press the **▲▼** buttons to select **Settings**.
4. Press **▶ / ▼** buttons to select **VGA Settings**.
5. Press **▶** button to display the menu.



6. Use **▲▼◀▶** buttons to make adjustments.
7. Press **Exit** button to dismiss all menu.



DPMS: enables or disables the display power management mode when the VGA is the active input source using a checkbox. When checked, the feature is enabled.

Auto Sync: automatically attempts to determine the ideal horizontal, vertical, and phase adjustments for the current VGA input signal.

PROGRAMMING REMOTE CONTROL

Direct Device Code Setup

Although your Remote Control is set up to provide control of this TV, you can specify other devices to be controlled, according to the following steps:



Mode → <<SET>> (2 blinks) → 5- digit device codes (2 blinks)

STEP 1 Locate the desired device in the Device code list.

STEP 2 Select the mode by pressing **VCR**, **CBL**, or **AUX**.

STEP 3 Depress and hold <<SET>> button for a minimum of 3 seconds until LED blinks twice.

STEP 4 Enter the 5-digit code for the desired device. The LED blinks once for every digit entered except for the last digit, where it shall blink twice to confirm that a valid code has been programmed.

Mode	Device Assignment	Device Group no.
TV	Locked to this TV (Default)	-----
VCR	Universal VCR, DVD, PVR	2
CBL	Universal Cable, Satellite, Video Accessory	0
AUX	Universal Tuner, Amplifier, CD, Mini Disc. And Misc. Audio, Home Automation	3

Example: [VCR]→<<SET>> (2blinks)→[2]→[0]→[0]→[3]→ [5] (2 blinks).

NOTE 1: Each digit must be entered within 10 seconds, or the Remote Control shall exit programming state.

NOTE 2: Two short LED blinks indicate recognition of the code, after which device control via the remote is enabled.

NOTE 3: A long LED display indicates non-recognition of the code, at which time the code should be re-entered.

Searching for a Device Code

If none of the codes listed under Device Codes list match your device, you can search for a set of commands that will work. Your Remote will sample all the codes in its system to find one that will allow you to control your device.

As the Remote searches its library, it starts with the most popular device in the category and works through to the end. To cycle through each available device code and sample its functions:



Mode → <<SET>> (2 blinks) → [9] [9] [1] (2 blinks) → **Device Group No.** (2 blinks) → **Power** → [CH +] → [CH +] → [CH +] → ... **SET** (2 blinks)

STEP 1 Select the [MODE] by pressing **VCR**, **CBL**, or **AUX**.

STEP 2 Depress and hold <<SET>> button for a minimum of 3 seconds until LED blinks twice.

STEP 3 Enter the code sequence [9][9][1]. The LED blinks once for every digit entered except for the last digit, where it shall blink twice to confirm that [9][9][1] are entered correctly.

STEP 4 Press **Power** button. Then, pressing **CH+** repeatedly to cycle through each corresponding function until your device turns off (or on).

STEP 5 Pressing **SET** button will store the new device code and returns to normal operation. The LED blinks twice in confirmation.

Mode	Device Assignment	Device Group no.
TV	Locked to this TV (Default)	-----
VCR	Universal VCR, DVD, PVR	2
CBL	Universal Cable, Satellite, Video Accessory	0
AUX	Universal Tuner, Amplifier, CD, Mini Disc. And Misc. Audio, Home Automation	3

Example: [VCR]→<<SET>> (2 blinks) →[9]→[9]→[1] (2 blinks) → [2] (2 blinks) → [POWER]→[CH +] →[CH +]→... [SET] (2 blinks).

Device Codes

The following sections list the available device codes for each device mode button. If there is more than one code listed for device, enter the first one, and then try the POWER button. If the device turns on (or off), the code is correct. If it does not, try the next code. Repeat until you find a code that works.

Cable Converters			
ABC	00003, 00008, 00014	Paragon	00000
Americast	00899	Philips	00317, 01305
Bell & Howell	00014	Pioneer	01877, 00877, 00144, 00533
Bell South	00899	Pulsar	00000
Clearmaster	00883	Quasar	00000
ClearMax	00883	RadioShack	00883
Coolmax	00883	Regal	00279, 00273
Daeryung	01877, 00877, 00477, 00008	Runco	00000
Digi	00637	Samsung	00000, 00144
Director	00476	Scientific Atlanta	01877, 00877, 00477, 00008
Dumont	00637	Sony	01006
Gehua	00476	Starcom	00003, 00014
General	00476, 00810, 00276, 00003, 00014	Supercable	00276
GoldStar	00144	Supermax	00883
Hamlin	00009, 00273	Tocom	00012
Hitachi	00014	Torx	00003
Jerrold	00476, 00810, 00276, 00003, 00012, 00014	Toshiba	00000
KNC	00008	Trans PX	00276
LG	00144	Tristar	00883
Memorex	00000	TS	00003
Motorola	00476, 00810, 00276, 01254, 01376	V2	00883
MultiVision	00012	Viewmaster	00883
Pace	01877, 00237	Vision	00883
Panasonic	00000, 00008, 00107	Vortex View	00883
Panther	00637	Zenith	00000, 00525, 00899

Satellite Receivers			
AlphaStar	00772	NEC	01270
Chaparral	00216	Next Level	00869
Crossdigital	01109	Panasonic	00247, 00701
DirecTV	00392, 00566, 00639, 01142, 00247, 00749, 01749, 00724, 00819, 01856, 01076, 01109, 00099, 01392, 01640, 01442, 01414, 01108	Paysat	00724
Dish Network System	01005, 00775, 01505	Philips	01142, 00749, 01749, 00724, 01076, 00722, 00099, 01442
Dishpro	01005, 00775, 01505	Proscan	00392, 00566
Echostar	01005, 00775, 01505	Proton	01535
Expressvu	00775	RadioShack	00869
GE	00566	RCA	00392, 00566, 00855, 00143, 01392
General Instrument	00869	Samsung	01276, 01109, 01108
GOI	00775	Sanyo	01219
Goodmans	01246	SKY	00856
Hisense	01535	Sony	00639, 01640
Hitachi	00819, 00222, 01250	Star Choice	00869
HTS	00775	Tivo	01142, 01442
Hughes Network Systems	01142, 00749, 01749, 01442	Toshiba	00749, 01749, 00790, 01285
I-Lo	01535	UltimateTV	01640, 01392
JVC	00775	Uniden	00724, 00722
LG	01414, 01226	US Digital	01535
Magnavox	00724, 00722	USDTV	01535
Memorex	00724	Voom	00869
Mitsubishi	00749	Zenith	00856, 01856
Motorola	00869	-----	-----

Audio Amplifiers			
Bose	30674	Sansui	30321
GE	30078	Shure	30264
JVC	30331	Sony	30689
Marantz	30321	Soundesign	30078
Nakamichi	30321	Victor	30331
NEC	30264	Wards	30078
Optimus	30395	Yamaha	30354, 30133
Realistic	30395	-----	-----

Audio Amp/Tuners			
ADC	30531	Onkyo	30842, 30135
Aiwa	31405, 31243, 30121	Optimus	31023, 30670, 30531, 31074
Anam	31609, 31074	Panasonic	31518, 30039
Audiotronic	31189	Philips	31189, 31269
Bose	31229	Pioneer	31023, 30150, 30014, 30630, 30531
Capetronic	30531	Proscan	31254
Carver	31189	Qisheng	31609
Coby	31263	Quasar	30039
Denon	31360, 31142, 30904	RadioShack	31263
Fonmix	31360	RCA	31023, 31609, 31254, 30531, 31074
Glory Horse	31263	Sharper Image	31263
Harman/Kardon	30110	Silsonic	30176
Hitachi	31273	Sony	31058, 31441, 31258, 31759
Inkel	30027	Soundesign	30670
Integra	30135	Stereophonics	31023
JBL	30110	Sunfire	31313
JVC	30074, 31263	Teac	31074, 31267
Kenwood	31313, 31570, 30027	Technics	31308, 31518, 30039
KLH	31428	Thorens	31189
Magnavox	31189, 31269, 30531	Victor	30074
Marantz	31189, 31269, 30039	Wards	30014
MCS	30039	Yamaha	30176, 31276, 31176

VCR			
ABS	21972	Gateway	21972
Admiral	20048, 20209	GE	20060, 20035, 20240
Aiko	20278	General	20045
Aiwa	20037, 20479	Go Video	20432
Alienware	21972	GoldStar	20037, 20209, 20038, 20225
America Action	20278	Haojie	20240
American High	20035	Harman/Kardon	20081, 20038
Amoisonic	20479	Harwood	20072
Anam	20162, 20037, 20240, 20278	Hewlett Packard	21972
Anam National	20162	HI-Q	20047
Asha	20240	Hitachi	20037, 20042, 20055
Audiovox	20037, 20278	Howard	21972
Beaumark	20240	HP	21972
Bell & Howell	20104	Hughes Network Systems	20042, 20739
Broksonic	20184, 20121, 20209, 20002, 20479	iBUYPOWER	21972
Calix	20037	JVC	20045, 20067
Canon	20035	KEC	20037, 20278
Carver	20081	Kenwood	20067, 20038
CCE	20072, 20278	KLH	20072
Changhong	20048, 20081	Kodak	20035, 20037
Citizen	20037, 20278	Kolin	20043
Colt	20072	LG	20037, 20045, 20042, 20209, 20038
Craig	20037, 20047, 20240, 20072	Logik	20072
Curtis Mathes	20060, 20035, 20162	LXI	20037
Cybernex	20240	Magnavox	20035, 20039, 20081
CyberPower	21972	Magnin	20240
Daewoo	20045, 20104, 20278	Marantz	20035, 20081
Dell	21972	Marta	20037
Denon	20042	Matsushita	20035, 20162
DirecTV	20739	Media Center PC	21972
Durabrand	20039, 20038	MEI	20035, 20162, 20037, 20048, 20039, 20047, 20240, 20104, 20209, 20479
Electrohome	20037	Memorex	20035
Electroponic	20037	MGA	20240, 20043
Emerex	20032	MGN Technology	20240
Emerson	20035, 20037, 20184, 20240, 20045, 20121, 20043, 20209, 20002, 20278, 20479	Microsoft	21972
Fisher	20047, 20104	Mind	21972
Fuji	20035, 20033	Minolta	20042
Fujitsu	20045	Mitsubishi	20067, 20043

VCR			
Motorola	20035, 20048	Scott	20184, 20045, 20121, 20043
MTC	20240	Sears	20035, 20037, 20047, 20042, 20104
Multitech	20072	Sharp	20048, 20209
NEC	20035, 20037, 20048, 20104, 20067, 20038	Shintom	20072
Newave	20037	Shogun	20240
Nikko	20037	Singer	20072
Noblex	20240	Sonic Blue	20616
Northgate	21972	Sony	20035, 20032, 20033, 20636, 21972
Olympus	20035	STS	20042
Optimus	21062, 20162, 20037, 20048, 20104, 20432	Sylvania	20035, 20081, 20043
Orion	20184, 20209, 20002, 20479	Systemax	21972
Panasonic	21062, 20035, 20162, 20616, 20225	Tagar Systems	21972
Penney	20035, 20037, 20240, 20042, 20038	Tashiko	20037
Pentax	20042	Tatung	20045, 20067
Philco	20035, 20479	Technics	20035, 20162
Philips	20035, 20081, 20739, 20618	Teco	20035, 20037, 20048, 20038
Pilot	20037	Teknika	20035, 20037
Pioneer	20042, 20067	Tivo	20636, 20618, 21503, 20739
Polk Audio	20081	TMK	20240
Profitronic	20240	Toshiba	20045, 20042, 20067, 20043, 21503
Proscan	20060	Totevision	20037, 20240
Protec	20072	Touch	21972
Pulsar	20039	Unitech	20240
Qisheng	20060	Vector	20045
Quasar	20035, 20162	Vector Research	20038
Radix	20037	Victor	20067
Randex	20037	Video Concepts	20045
RCA	20060, 20035, 20240, 20042, 20880	Videomagic	20037
Realistic	20035, 20037, 20048, 20047, 20104	Videosonic	20240
ReplayTV	20616	Viewsonic	21972
Runco	20039	Wards	20060, 20035, 20048, 20047, 20081, 20240, 20042, 20072
Sampo	20037, 20048	White	20209, 20072
Samsung	20240, 20045, 20432	XR-1000	20035, 20072
Sanky	20048, 20039	Yamaha	20038
Sansui	20067, 20209, 20479	Zenith	20039, 20033, 20209, 20479
Sanyo	20047, 20240, 20104	ZT Group	21972

DVD Player

Aiwa	20641, 21912	Microsoft	20522
Akai	20770	Mintek	20717
Allegro	20869	Mitsubishi	21521, 20521
Apex Digital	20672, 20717, 20797, 21061, 20796, 21056, 21937, 20794,	Nesa	20717
Blaupunkt	20717	Norcent	21003
Blue Parade	20571	Onkyo	20503, 20627, 21924, 20792
Broksonic	20695	Oritron	20651, 21980
Changhong	20627, 21061	Panasonic	20490, 21762, 21990
CineVision	20869	Philips	20503, 20539, 20646, 21914
Coby	21086	Pioneer	20525, 20571
Curtis Mathes	21087	Polaroid	21086, 21061
CyberHome	21024, 21023, 21129, 20816, 21117	Polk Audio	20539
Daewoo	20833, 21172, 20869	Portland	20770
Denon	20490	Proscan	20522
DVD2000	20521	Qwestar	20651
Emerson	20591, 20675	RCA	20522, 20571, 20717, 20822
Enterprise	20591	Rio	20869
Fisher	21919	Rotel	20623
Funai	20675	Sampo	20752, 20698
Gateway	21158, 21073	Samsung	20490, 20573, 21932, 21075, 20820
GE	20522, 20717	Sansui	20695
Go Video	20744, 20833, 21099, 20783, 21075, 20869, 21730	Sanyo	20695
Greenhill	20717	Sharp	20630, 20752
Harman/Kardon	20582, 20702	Sharper Image	21117
Hitachi	20573, 20664, 21919	Sherwood	20770
Hiteker	20672	Shinco	20717
Initial	20717	Shinsonic	20533
Integra	20627, 21924	Sonic Blue	20869, 21099
JBL	20702	Sony	20533, 20864, 21033, 21904, 21903
JVC	20558, 20623, 20867	SVA	20717
Kenwood	20490, 20534	Sylvania	20675
KLH	20717, 21020, 21149	Symphonic	20675
Koss	20651, 21980	Teac	20717, 21984, 20809
Lasonic	20798	Technics	20490
LG	20591, 20869, 20801	Theta Digital	20571
Liquid Video	21980	Toshiba	20503, 20695
Lite-On	21158, 21058	Urban Concepts	20503
Loewe	20511	Xbox	20522
Magnavox	20503, 20539, 21976, 21914, 20675	Yamaha	20490, 20539, 20545
Marantz	20539	Zenith	20503, 20591, 20869
Memorex	20695	-----	-----

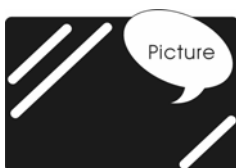
TROUBLESHOOTING

There is no picture or sound.



- Make sure the AC cord is connected.
- Verify that there is a valid source signal.
- Make sure the correct input mode is selected.

There is no picture from AV.



- Make sure the BRIGHTNESS is properly adjusted.
- Make sure the video source is plugged into the composite video-in port.

There is no sound.



- Make sure the volume is not set to minimum.
- Make sure the sound is not muted
- Make sure that headphones are not connected.

There is no picture or sound, just noise.



- The source signal may be weak.
- Your provider may be experiencing difficulties.
- Check your input connections.

Picture is not clear.



- The source signal may be weak.
- The provider may be experiencing difficulties.
- Check input connections.

Picture is light or improperly tinted.



- Check the Hue, Saturation and Color adjustments.
- Reset the TV to the factory default settings.

The picture is too dark.



- Select a different APC mode.
- Check the Brightness of Picture Settings.
- The fluorescent lamp may have reached the end of its life. Contact an authorized service center.

Remote control does not work.



- Install new batteries.
- Make sure the remote sensor window isn't blocked.
- Make sure the system is in the right mode (TV / VCR / CBL / AUX)

There are stripes on the screen or colors fade.



- There may be interference from other appliances.
- There may be interference between the video source cable and the power cable.
- Make sure the power and video cables are not touching. Check the Hue, Saturation and Color adjustments

The picture is not sharp.



- The signal source may be weak.
- The provider may be experiencing difficulties.
- Check input connections.
- Check the Sharpness of Picture Settings.

The picture moves.



- The source signal may be weak.
- The provider may be experiencing difficulties.
- Check input connections.

The picture is doubled or tripled.



- The source signal may be weak.
- Check input connections.

The picture is spotted.



- There may be interference from other appliances nearby or around the LCD TV.

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PC INPUT PRESET TIMMING TABLE

PC / Timing Table

No.	Mode Name Resolution	H.Freq. (KHz) V.Freq. (Hz)	H. Polarity V. Polarity	Pixel CLK (MHz)	Hor. Total CLK No.	Hor. Display CLK No.	Hor. Bck Porch CLK No.	Hor. Syth CLK No.	Vert. Total Line No.	Vert. Display Line No.	Vert. Bak Porch Line No.	Vert. Syc Width Line No.
1	VGA 70HZ 640*350	31.469 70.087	+ -	25.175	800	640	48	96	449	350	60	2
2	VGA 60HZ 640*480	31.469 59.941	- -	25.175	800	640	48	96	525	480	33	2
3	SVGA 60HZ 800*600	35.16 56.25	+ +	36.0	1024	800	128	72	625	600	22	2
4	SVGA 60HZ 800*600	37.879 60.317	+ +	40.0	1056	800	88	128	628	600	23	4
5	XGA 60HZ 1024*768	48.363 60.004	- -	65.0	1344	1024	160	136	806	768	29	6
6	MAC VGA 640*480	35.000 66.667	- -	30.24	864	640	96	64	525	480	39	3
7	US TEXT 720*400	31.469 70.087	- +	28.322	900	720	54	108	449	400	35	2
8	XGA(CVR) 1280*768	47.396 59.995	+ -	68.25	1440	1280	80	32	790	768	12	7
9	WXGA(CVR) 1360*768	47.368 59.959	+ -	72	1520	1360	80	32	790	768	15	5

* The resolution and the frequencies are displayed on the screen may not exactly same as this list.

SPECIFICATIONS

ITEMS		32" LCD - TV	
Panel	Screen Size	31.51" TFT-LCD Panel	
	Aspect Ratio	16 : 9	
	Resolution	1366 x 768	
	Display Area (opening) H x V	697.68 mm x 392.25 mm	
	Pixel Pitch	0.511 mm x 0.511 mm	
	Display colors	16,777,216 colors	
	Contrast Ratio (for AI)	1000 : 1 (typ.)	
	Brightness (center)	550 cd / m ² (typ.)	
	Viewing Angle (CR>10)	170° Hor. / 170° Ver. (typ.)	
	Response Time (GTG)	8 ms (typ.)	
TV Function	Broadcasting System	Analog : NTSC M / N	Digital : ATSC/Clear QAM
	Receiving Channel	Analog : PLL181Ch., CATV 125Ch	Digital : 54M Hz~864M Hz
	Sound System	Analog : Multi-channel TV Sound	Digital : Multi-Track Sound
	Resolution	Analog : 480i	Digital : 1080i, 720p,480p, 480i
	Data Broadcasting	Close Caption , V - Chip	
Video Input	Composite Signal	CVBS	x 2
	Y, C Signal	S-Video	x 2
	Component Signal	Y Pb Pr	x 2 (720P / 1080i , HDTV ready)
PC Input	HDMI Connection	HDMI	x 1
	VGA Connection	D-Sub 15 pin	
	Scanning Frequency	f _H = 31.5 ~ 60KHz / f _V = 56 ~ 75Hz	
Audio Input	Audio 1	Composite	
		S - Video	
	Audio 2	Component	
	Audio 3	PC	
Audio Output	Speaker (build-in)	10W + 10W (rms) @THD < 10% (7W + 7W @ THD < 1%)	
	Line Out	Left / Right	
	Digital Audio Out	S / PDIF (for HDMI and DTV) .	
Feature	Function Keys	Power , Source , Menu , Up/Down(Channel) , +/- (Volume) , ARC/EXIT	
	Video Performance	3D Comb-filter , 3D De-interlace , Aspect Ratio Control (ARC) , Auto Picture Control, Video Enhance, Noise Reduction	
	Audio Performance	Subwoofer, Auto Volume Control (AVC)	
	Other Control	Sleep Timer, Timer On, Timer Off	
Power	Power Supply	AC 100V ~ 240V , 50 / 60Hz	
	Power Consumption	< 180 W	
Dimension	W x H x D	828 mm * 651 mm * 240 mm	
Weight (net)	Without Accessories	22 Kg	

ITEMS		37" LCD - TV	
Panel	Screen Size	37.0" TFT-LCD Panel	
	Aspect Ratio	16 9	
	Resolution	1366 x 768	
	Display Area (opening) H x V	819.6 mm x 460.8 mm	
	Pixel Pitch	0.6 mm x 0.6 mm	
	Display colors	16,777,216 colors	
	Contrast Ratio (for AI)	1000 : 1 (typ.)	
	Brightness (center)	550 cd / m ² (typ.)	
	Viewing Angle (CR>10)	170° Hor. / 170° Ver. (typ.)	
	Response Time (GTG)	8 ms (typ.)	
TV Function	Broadcasting System	Analog : NTSC M / N	Digital : ATSC/Clear QAM
	Receiving Channel	Analog : PLL181Ch., CATV 125Ch	Digital : 54M Hz~864M Hz
	Sound System	Analog : Multi-channel TV Sound	Digital : Multi-Track Sound
	Resolution	Analog : 480i	Digital : 1080i, 720p,480p, 480i
	Data Broadcasting	Close Caption , V - Chip	
Video Input	Composite Signal	CVBS	x 2
	Y, C Signal	S-Video	x 2
	Component Signal	Y Pb Pr	x 2 (720P / 1080i , HDTV ready)
PC Input	HDMI Connection	HDMI	x 1
	VGA Connection	D-Sub 15 pin	x 1
	Scanning Frequency	f _H = 31.5 ~ 60KHz / f _V = 56 ~ 75Hz	
Audio Input	Audio 1	Composite S - Video	
	Audio 2	Component	
	Audio 3	PC	
Audio Output	Speaker (build-in)	10W + 10W (rms) @THD < 10% (7W + 7W @ THD < 1%)	
	Line Out	Left / Right	
	Digital Audio Out	S / PDIF (for HDMI and DTV) .	
Feature	Function Keys	Power , Source , Menu , Up/Down(Channel) , +/- (Volume) , ARC/EXIT	
	Video Performance	3D Comb-filter , 3D De-interlace , Aspect Ratio Control (ARC) , Auto Picture Control, Video Enhance, Noise Reduction .	
	Audio Performance	Subwoofer, Auto Volume Control (AVC)	
	Other Control	Sleep Timer, Timer On , Timer Off .	
Power	Power Supply	AC 100V ~ 240V , 50 / 60Hz	
	Power Consumption	< 220 W	
Dimension	W x H x D	947 mm * 722 mm * 240 mm	
Weight (net)	Without Accessories	25 kg	

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