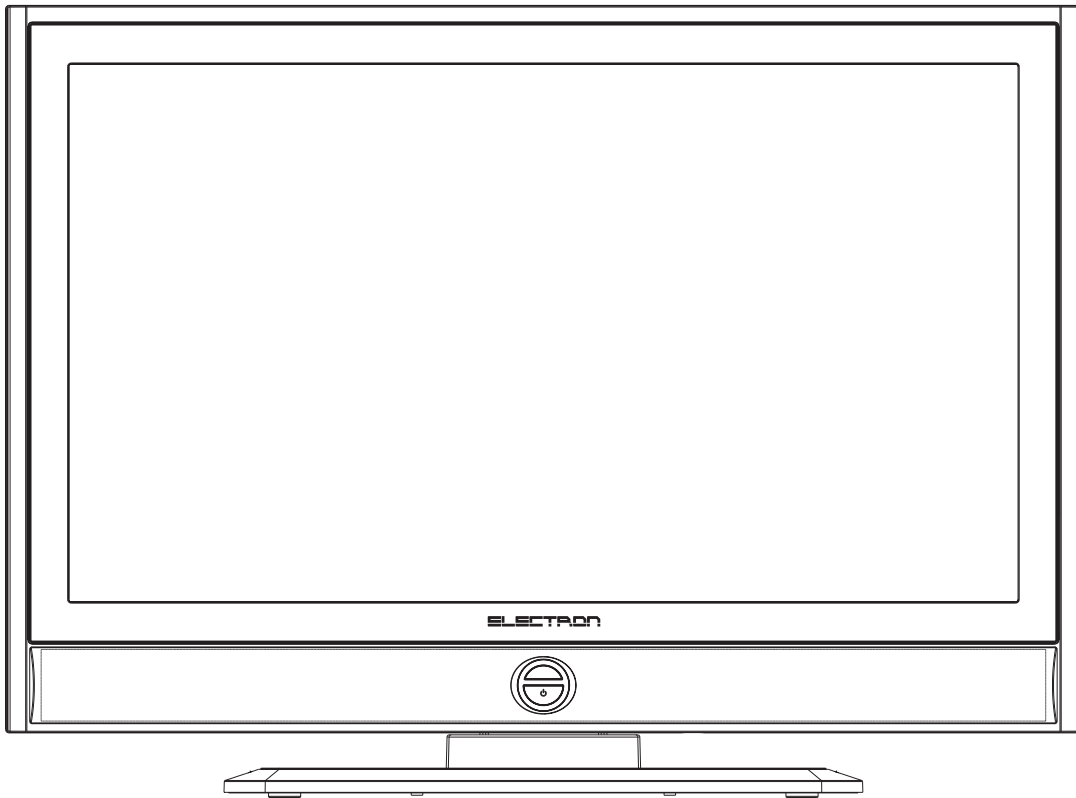


# ELECTRON

## OPERATING INSTRUCTIONS

MODEL : LCD3717EA



**Please read this manual before connection and use**

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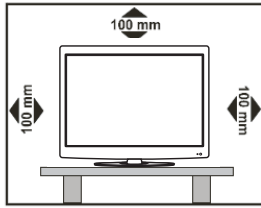
## Introduction



Thank you for choosing this product. This manual will guide you for proper operation. Before operating the TV, please read this manual properly. Please do keep this manual in a safe place for future references. This portable TV has been designed for private use only.

# 1- Safety notice items

## Preparation



For ventilation, leave a space of at least 10cm free all around the set. To prevent any fault and unsafe situations, please do not place any objects on top of the set. Use this apparatus in moderate climates.

**Please read the following recommended safety precautions carefully for your safety.**

## 1. Power Source

The TV set should be operated only from a 120 **V AC**, 60**Hz** outlet. Ensure that you select the correct voltage setting for your convenience.

## 2. Power Cord



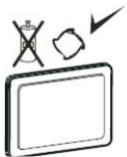
*Do not* place the TV where the power cord is subject to wear or abuse, pinch, bend or twist the cord excessively. The cord lines may be bared and cut, and cause a short-circuit, resulting in a fire or an electric shock. Do not convert or damage the power cord. Do not allow anything to rest on or roll over the power cord. Do not move the TV with the power cord plugged in. Keep the power cord away from heat sources. Be sure to grasp the plug when disconnecting the power cord.

## 3. Moisture and Water



Do not use this equipment in a humid and damp place (avoid the bathroom, the sink in the kitchen, and near the washing machine). Do not expose this equipment to rain or water, as this may be dangerous and do not place objects filled with liquids, such as flower vases, on top. Avoid from dripping or splashing. If any solid object or liquid falls into the cabinet, unplug the TV and have it checked by qualified personnel before operating it any further.

## 4. Cleaning



Before cleaning, unplug the TV set from the wall outlet. Do not use liquid or aerosol cleaners. Use soft and dry cloth.

## 5. Ventilation

The slots and openings on the TV set are intended for ventilation and to ensure reliable operation. To prevent overheating, these openings must not be blocked or covered in anyway.

## 6. Heat and Flames



The set should not be placed near to naked flames and sources of intense heat, such as an electric heater. Ensure that no naked flame sources, such as lighted candles, are placed on top of the TV. Batteries shall not be exposed to excessive heat such as sunshine, fire or the like.

## 7. Lightning



In case of storm and lightning or when going on holiday, disconnect the power cord from the wall outlet.

## 8. Replacement Parts

When replacement parts are required, be sure the service technician has used replacement parts which are specified by the manufacturer or have the same specifications as the original one. Unauthorized substitutions may result in fire, electrical shock, or other hazards.

## 9. Servicing



Please refer all servicing to qualified personnel. Do not remove the cover yourself as this may result in an electric shock.

## 10. Waste Disposal

Instructions for waste disposal:

Packaging and packaging aids are recyclable and should principally be recycled. Packaging materials, such as foil bag, must be kept away from children.

Battery, including those which are heavy metal-free, should not be disposed of with household waste. Please dispose of used battery in an environmentally sound manner. Find out about the legal regulations which apply in your area.

Cold cathode fluorescent lamp in LCD PANEL contains a small amount of mercury; please follow local ordinances or regulations for disposal.

### Information for users applicable in European Union countries



This symbol on the product or on its packaging means that your electrical and electronic equipment should be disposed at the end of life separately from your household wastes. There are separate collection systems for recycling in EU.

For more information, please contact the local authority or the dealer where you purchased the product.

## 11. Disconnect Device

The mains plug is used to disconnect TV set from the mains and therefore it shall remain readily operable.

12. To prevent injury, this device must be securely attached to the wall in accordance with the installation instructions when mounted to the wall (if the option is available).

### Operating Safety Instructions

When displaying the same still picture for more than 2 hours without any interruption, the picture contours of the continuously displayed contents may remain visible on screen, i.e. a persistent image remains. The same applies, for more continuously than 2 hours:

the same background/wallpaper

logos, video games, computer images, Teletext

contents with a non-filling as

aspect ratio (e.g. 4:3 format)

Note:

This device is not suitable for a long-time display of still pictures, including logos, video games, computer games, Teletext and screen non-filling contents. Any persistent images caused by displaying still pictures, logos, video games, computer images, Teletext and screen non-filling contents cannot be erased. These do not represent any malfunction and will not be covered by the manufacturer's warranty."

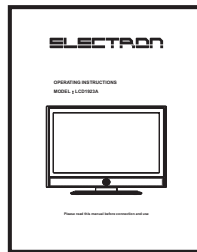
### PE Connection to mains

Be sure to ground the connection properly. Connect the ground terminal of TV with the ground terminal provided at the power outlet using the enclosed power cord. If the provided plug does not fit your outlet, consult an electrician for replacement of the obsolete outlet.

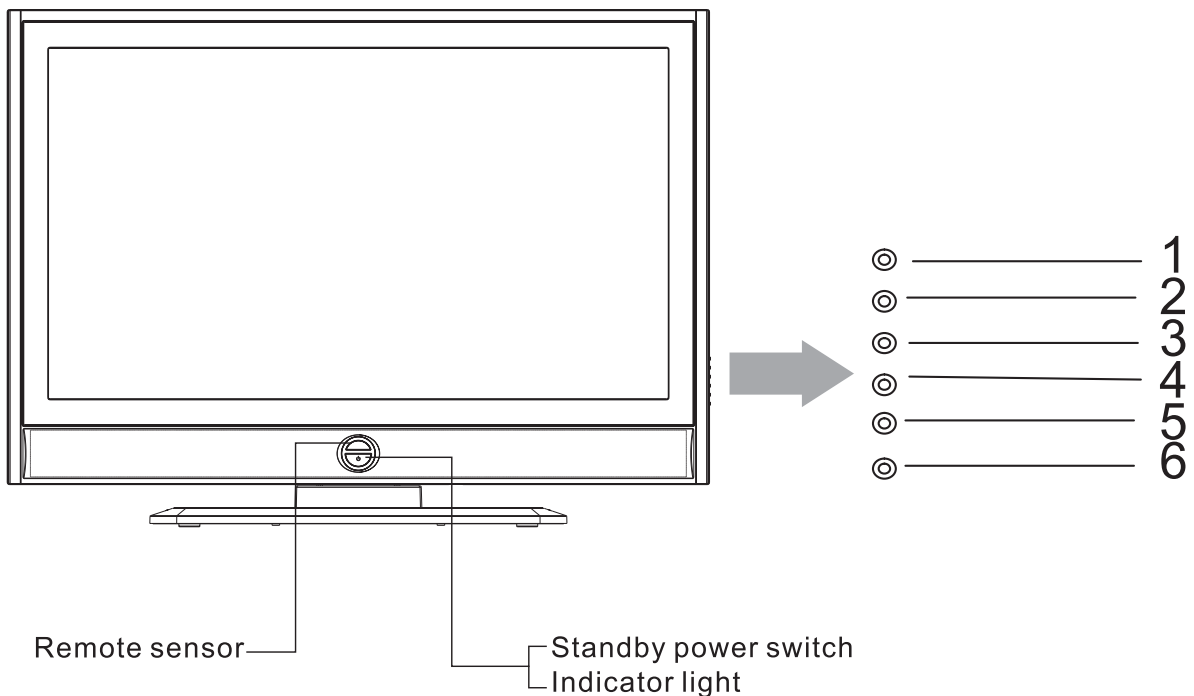


## 2-Accessories

1. User's Manual / Warrant
2. Batteries
3. Remote control
4. Power cord



## 3- Product Overview



## 4- Control Panel Overview

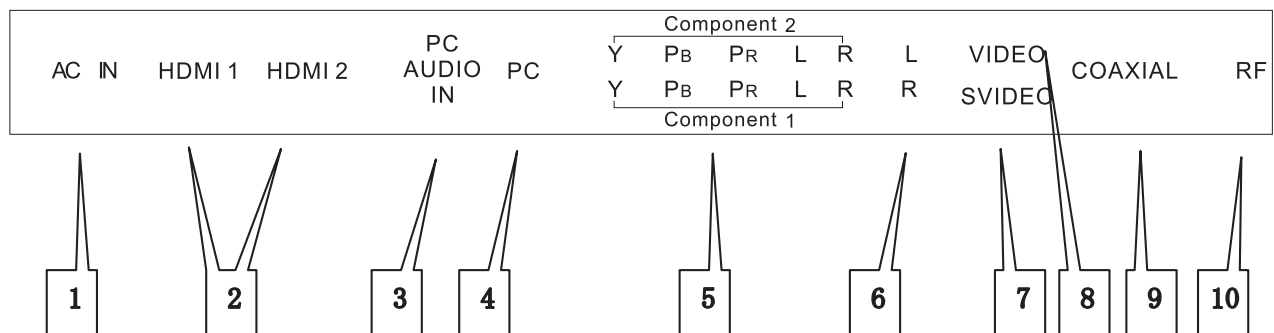
### (1) Control Panel Functions:

- |    |          |   |
|----|----------|---|
| 1- | TV/VIDEO | To select the input signal: TV/VIDEO/S-VIDEO/Component1/Component2/PC/HDMI1/HDMI2 |
| 2- | MENU     | Enter into MENU   |
| 3- | CH+      | TV channel up   |
| 4- | CH-      | TV channel down   |
| 5- | VOL+     | Volume up / Right orientation   |
| 6- | VOL-     | Volume down / Left orientation  |

#### Indicator Light Status

The indicator light is red when the TV is in standby mode. The indicator light is blue when you press the '⏻' key

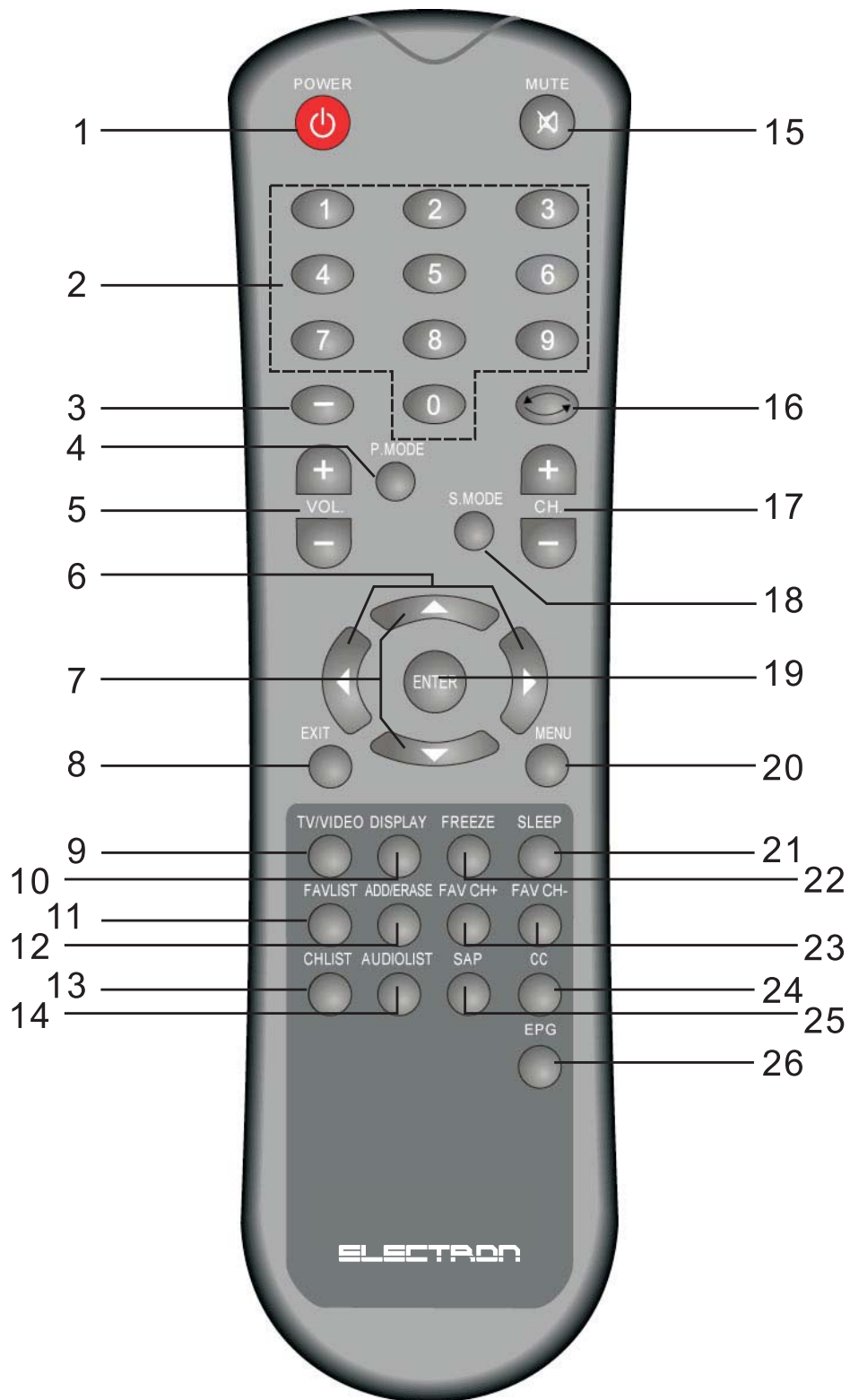
### (2) Illustration of Connectors




#### Connectors descriptions:

- 1 : Power receptacle AC120V 60Hz
- 2 : HDMI input interface
- 3 : PC sound card audio input
- 4 : PC input
- 5 : Component input interface
- 6 : L/R audio inputs (AV/S-VIDEO) from exterior AV devices such as DVD players, Video Cameras etc.
- 7 : S-VIDEO input, connect video input from external device here
- 8 : Video input, connect video input from external device here
- 9 : Coaxial output
- 10 : Antenna input, connect antenna connector or aerial interface here to receive cable / aerial signal

# 5- Remote Control Overview



1- Illustration of the keys on the remote control:

1	<b>POWER</b>	Press to set TV ON/OFF standby mode
2	<b>0~9</b>	Press to select TV channel number
3	<b>-</b>	Digital channel substation selector
4	<b>P.MODE</b>	Press to adjust picture mode
5	<b>VOL+/VOL-</b>	Adjusts the volume up/down
6	<b>◀ ▶</b>	Control the on-screen menu left/right cursor
7	<b>▲ ▼</b>	Control the on-screen menu up/down cursor
8	<b>EXIT</b>	EXIT menu
9	<b>TV/VIDEO</b>	Select TV/VIDEO/S-VIDEO/Component1/ Component2/PC/HDMI1/HDMI2
10	<b>DISPLAY</b>	Screen display ON/OFF
11	<b>FAVLIST</b>	Display favorite channel
12	<b>ADD/ERASE</b>	Add and Erase favorites in the channel
13	<b>CHLIST</b>	Channel list
14	<b>AUDIOLIST</b>	Audio list
15	<b>MUTE</b>	Turn the sound on or off
16		Last channel viewed
17	<b>CH+/CH-</b>	Change TV channels
18	<b>S.MODE</b>	Press to adjust audio mode
19	<b>ENTER</b>	Press to confirm
20	<b>MENU</b>	Display on-screen menu
21	<b>SLEEP</b>	Press the set sleep timer
22	<b>FREEZE</b>	Set of static images and activities
23	<b>FAV CH+/FAV CH-</b>	Favorite channels with in the channel switch
24	<b>CC</b>	Press to select closed caption
25	<b>SAP</b>	Press to select a second audio channel (if available)
26	<b>EPG</b>	Display digital program information



## 6- Connecting Input Signals to TV

### A) Connect with TV signal

#### Connection steps :

- Power your LCD TV off.
- Connect an antenna cable (CATV) to the corresponding interface connector (75  $\Omega$  ) on the back of the LCD-TV. Connect the other end of the antenna cable to the antenna connector on the wall or on your digital cable / satellite receiver. Now you are able to view regular cable TV.
- Turn on the power of the LCD-TV.
- Press the TV/VIDEO button to set the video input mode of the LCD-TV to "TV" mode. The channel number appears in the top right side of the screen.
- You can use key CH+ / CH- button or the number keys on the remote control to select the channel you want to watch.

### B) Connect to external AV devices using Video and S-Video inputs

#### Connection steps :

- Read the user guide supplied with your AV devices and ensure that it has Video or S-Video connectors;
- Power your LCD TV and your AV device off.
- Connect a Composite video cable (not supplied) to the yellow composite video connector input on the back of the LCD-TV. Now insert the other end of the composite cable into the yellow composite connector output on the AV device.
- Alternatively connect a S-Video Cable (not supplied, provide better image quality) to the S-Video connector on the back of the LCD-TV. Now insert the other end of the S-Video cable into the S-Video connector on the AV device.
- Connect the RCA audio cables (not supplied, white and red connectors) from the AV devices?RCA audio output connectors to the RCA audio input connectors on the back of the LCD-TV.
- Connect an antenna cable (CATV) to the corresponding interface connector (75  $\Omega$  ANT) on the back of the LCD-TV. Connect the other end of the antenna cable to the antenna output connector on the VCR or DVD recorder. Now you are able to view and record a TV signal at the same time.
- Turn on the power of the LCD-TV first, and then turn on the power of the AV device.
- Press the TV/VIDEO button to set the video input mode of the LCD-TV to "S-VIDEO" mode or "VIDEO" mode.

### C) Connect with Component signal

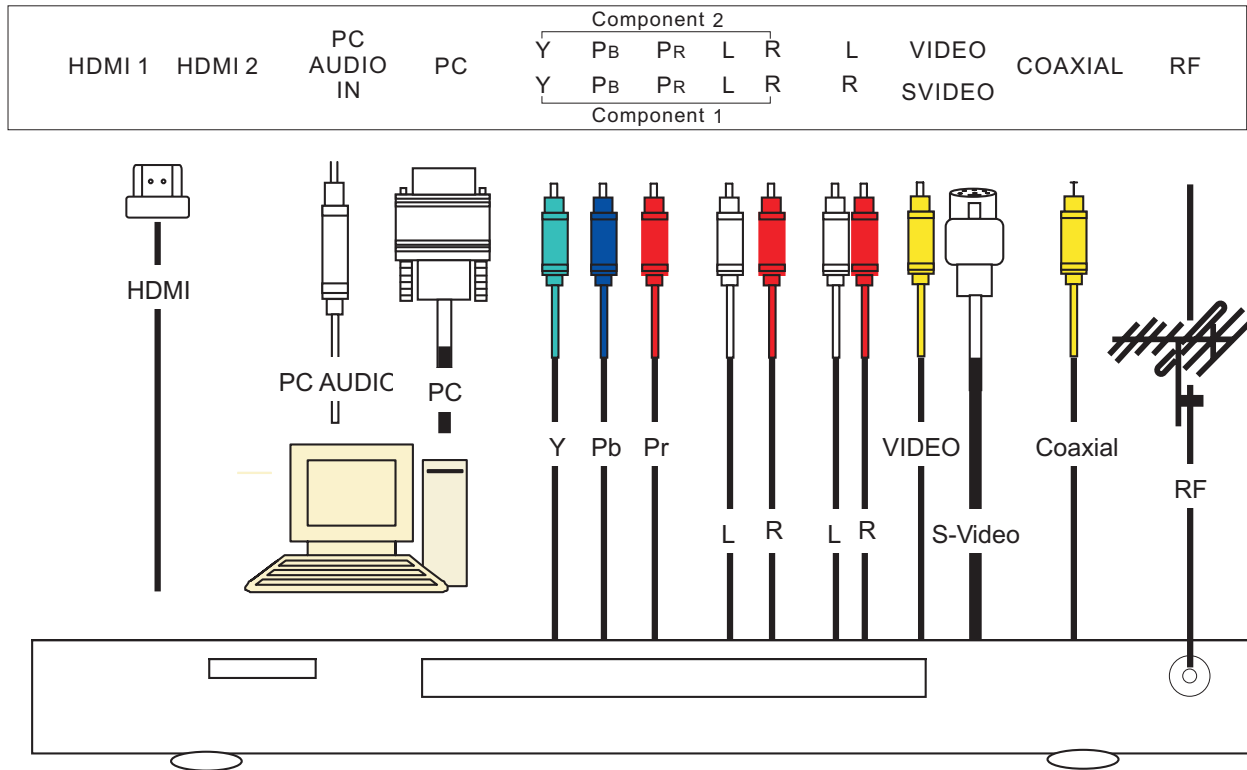
#### Connection steps :

- Read the user guide supplied with your AV devices and ensure that it has a "Component" connector;
- Power your LCD TV off.
- Connect a Component cable to the corresponding interface connector on the back of the LCD-TV.
- Turn on the power of the LCD-TV.
- Press the **TV/VIDEO** button to set the video input mode of the LCD-TV to "Component" mode.
- Format:480i,480p,720p,1080i.

## D) Connect with HDMI signal

### Connection steps :

- Read the user guide supplied with your AV devices and ensure that it has a “HDMI” connector;
- Power your LCD TV off.
- Connect a **HDMI** cable to the corresponding interface connector on the back of the LCD-TV.
- Turn on the power of the LCD-TV.
- Press the **TV/VIDEO** button to set the video input mode of the LCD-TV to “**HDMI**” mode.
- Format: 480i, 480p, 720p, 1080i



## E) Connect with PC signal

- Connect a D-sub cable between PC IN connector on the TV and Video Output connector on your PC
- Connect an audio cable between the PC IN (Audio) jack on the TV and the audio out jack on our PC
- Press the INPUT button on the remote control to select PC mode.

**PC INPUT SIGNAL REFERENCE CHART**

Resolution	Frequency
800 x 600	60Hz
1024 x 768	60Hz
1280 x 768	60Hz
1360 x 768	60Hz

Frequency may vary based on PC signal.

## 7- TV Operation

### (1) Basic operation

#### Initial Setup Menu

**NOTE:** If this is the first time you turn on the LCD TV, the Initial Setup Menu will display.



#### Menu Language

Select the preferred language when viewing on screen menus. Use the ENTER/▶ to select language.

#### Tuning Band

Select Tuning Band mode. Press ENTER/▶ button to select Air/Cable STD/Cable HRC/Cable IRC/Cable Auto.

#### Auto Channel Search

When using your LCD TV for the first time. Please scan for all available broadcasting channels in your local area. Press ENTER/▶ button to enter the Auto Channel Search Program.

**NOTE:** Auto Channel Search for TV channels in your local area may take several minutes to complete.


#### Choosing a TV channel

##### 1. Press CH+/CH- button on the side panel or on the remote control.


Press **CH+** button for the next channel


Press **CH -** button for the previous channel.


##### 2. Press 0-9 buttons and button.


You can select the channel by pressing 0 to 9 buttons and  button directly for the channel you want.

#### Example:

To select 1-Analog channel (e.g. Channel 5): Press the 5, then press  and 0 button.

To select 2- Analog channel (e.g. Channel 20): Press the 2 and 0 buttons , then press  and 0 button.

To select 3- Analog channel (e.g. Channel 103): Press the 1 and 0 and 3 button, then press  and 0 button.

To select a channel number for digital channel (e.g. Channel 2-1): Press the 2 button, then press  and 1 button, then press **ENTER** button.

**Note:** After select the digit button, the digit will be memorized.

## Volume Control

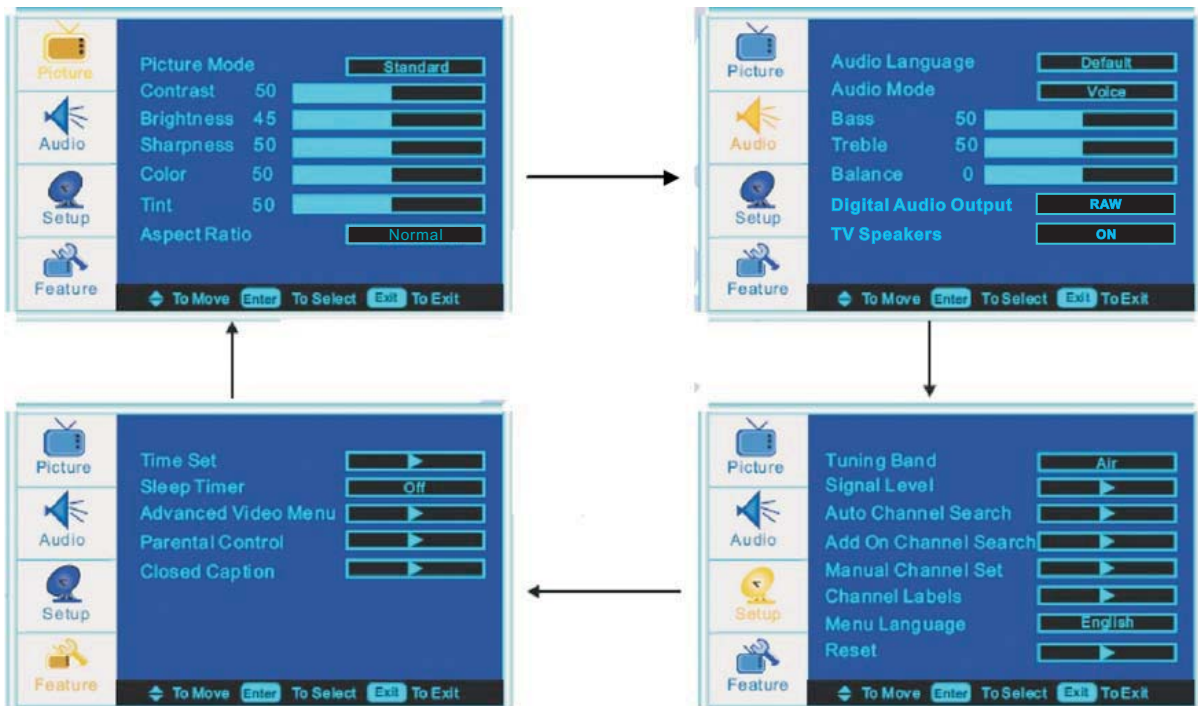
1. Press **VOL+/-** button to adjust the volume



2. Press **MUTE** button to mute the TV, Press **MUTE** button again or **VOL+/-** button to cancel the mute function. The On Screen Display (OSD) may display different screen settings based on the input signal of use.

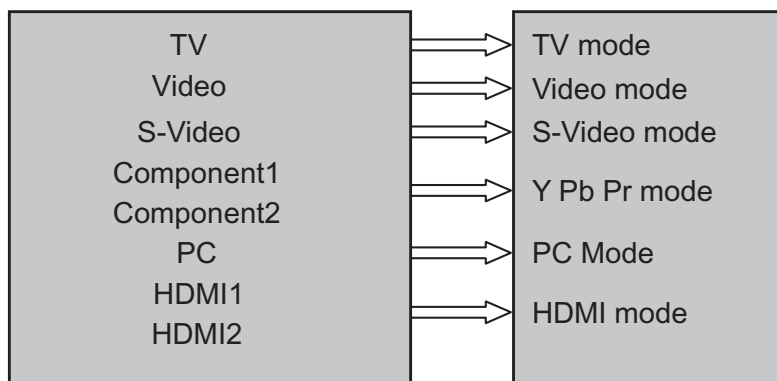
## On Screen Display Adjustment

- Press **MENU** button to display the main menu.
- Press **◀/▶/▲/▼** buttons to select/adjust the each setting.



## Selecting input source

You can select the input source by pressing **TV/VIDEO** button on the remote control or on the front panel.



## PICTURE menu options



1. Press **MENU** button on the side panel or the remote control to display the main menu.
2. Press **▲/▼** button to select the **PICTURE** menu, then press **▶** button for the submenu.
3. Press **▲/▼** button to select the item you want to adjust.
4. Press **ENTER/▶** button repeatedly to adjust the value.
5. When you are satisfied with your choice, press **◀** button to go to the previous menu, or press **MENU/EXIT** button to exit.

### Picture Mode

Select **Picture Mode** in **PICTURE** menu accordingly to your viewing requirement. (Available picture mode: **Standard, Vivid, Bright, User.**)

You should set the Picture Mode to "User" first if you want to change the value of **Contrast / Brightness / Sharpness / Color**

**TIPS:** you can select the picture mode directly by pressing **P.MODE** button repeatedly.

### Contrast

Press **▼ / ▲** button to select this item, then press **ENTER/▶** button to adjust the contrast of the picture.



### Brightness

Press **▼ / ▲** button to select this item, then press **ENTER/▶** button to adjust the brightness of the picture.

### Sharpness

Press **▼ / ▲** button to select this item, then press **ENTER/▶** button to adjust the sharpness of the picture.

### Color

Press **▼ / ▲** button to select this item, then press **ENTER/▶** button to adjust the color saturation of the picture.

### Tint

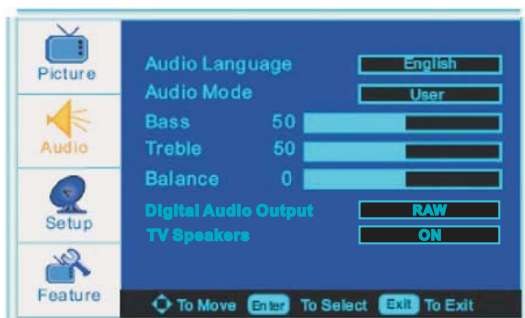
Press **▼ / ▲** button to select this item, then press **ENTER/▶** button to adjust the tint of the picture.

**NOTE:** The Tint item is not available but in NTSC color system.

## Aspect Ratio

Press **▼ / ▲** button to select this item, then press **ENTER/▶** button to adjust the aspect the aspect ratio of the picture. (Available aspect ratio: **Normal, Zoom, Wide, Cinema, Waterglass**)

## AUDIO menu options



DTV



ATV

1. Press **MENU** button on the side panel or the remote control to display the main menu.
2. Press **▲/▼** button to select the **AUDIO** menu, then press **▶** button for the submenu.
3. Press **▲/▼** button to select the item you want to adjust.
4. Press **ENTER/▶** button repeatedly to adjust the value.
5. When you are satisfied with your choice, press **◀** button to go to the previous menu, or press **MENU/EXIT** button to exit.

### Audio Language

Press **▼ / ▲** button to select this item, then press **ENTER/▶** button to adjust the aspect the audio language.

**NOTE:** The Language selection may not be available if the programs system does not include the language code. You may select the language mode directly by pressing AUDIO button on the remote control.

### BTSC

Press **▼ / ▲** button to select this item, then press **ENTER/▶** button to adjust the aspect the BTSC.

**NOTE:** The BTSC mode selection may not be available if the programs system does not include the language code. You may select the AUDIO mode directly by pressing BTSC button on the remote control. (Available BTSC mode: SAP , MONO , STEREO)

### Audio Mode

Select **Audio Mode** in **AUDIO** menu. (Available audio mode: **Voice/Concert/Jazz/User**)

You should set the Audio Mode to "User" first if you want to change the value of Bass/Treble.

**TIPS:** you can select the Audio mode directly by pressing **S.MODE** button repeatedly.

Audio mode must be set to "User" in order to change "Bass/Treble".

### Bass

Press **▼ / ▲** button to select this item, then press **ENTER/▶** button to adjust the bass value.

### Treble

Press **▼ / ▲** button to select this item, then press **ENTER/▶** button to adjust the Treble value

### Balance

Press **▼ / ▲** button to select this item, then press **ENTER/▶** button to adjust the sound balance.



## Setup menu options



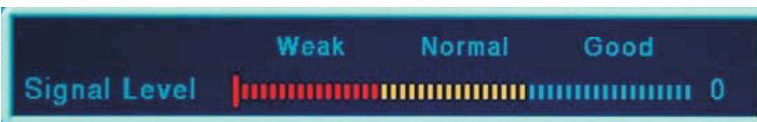
1. Press **MENU** button on the side panel or the remote control to display the main menu.
2. Press **▲/▼** button to select the **SETUP** menu, then press **▶** button for the submenu.
3. Press **▲/▼** button to select the item you want to adjust.
4. Press **ENTER/▶** button repeatedly to adjust the value.
5. When you are satisfied with your choice, press **◀** button to go to the previous menu, or press **MENU/EXIT** button to exit.

### Tuning Band

Select **Tuning Band** mode. (Available tuning band mode: **Air**, **Cable STD**, **Cable HRC**, **Cable IRC**, **Cable Auto**.)

### Signal Level(Only for DTV)

In DTV mode, you can refer the strength of the current channel, and you can tune manually and adjust the angle, orientation of the antenna.



### Auto Channel Search

Press **▼ / ▲** button to select this item, then press **ENTER/▶** button to scan available channels in your area. The channels found are automatically saved into the channel list.



### Add On Channel Search

Press **▼ / ▲** button to select this item, then press **ENTER/▶** button to enter the **Add On Channel Search Program**. This function will add additional channels to channel list previously not found.



### Manual Channel Set

1. Press ENTER button to display a channel list that you can select channel as below:
2. Press ► button to label each channel Viewable or Not Viewable.



### Channel labels

Allows you to name the channel selected. Press ◀/▶ button to select the position of letter, press ▲/▼ button to set the name.



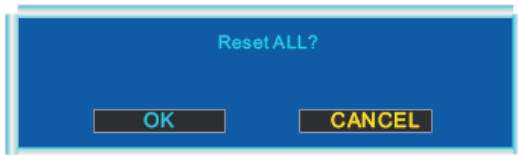
### Menu Language

Press ▼ / ▲ button to select this item, then press ENTER/► button to select the On Screen Display (OSD) language. (Available Language: English, Español, and French)

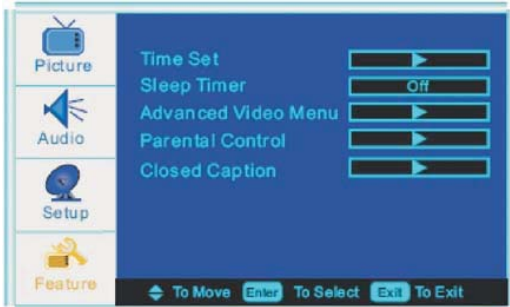
### Reset

Press ENTER/► button to reset all items to the default value.





## Feature menu options



1. Press **MENU** button on the side panel or the remote control to display the main menu.
2. Press **▲/▼** button to select the **FEATURE** menu, then press **▶** button for the submenu.
3. Press **▲/▼** button to select the item you want to adjust.
4. Press **ENTER/▶** button repeatedly to adjust the value.
5. When you are satisfied with your choice, press **◀** button to go to the previous menu, or press **MENU/EXIT** button to exit.

### Time Set

Press **▼ / ▲** button to select this item, then press **ENTER/▶** button to enter **Time Set Menu**.



### Time Set Mode

Press **ENTER/▶** button to select the time set mode from **Auto** and **Manual**.

Please set the Time Set Mode to "Manual" first if you want to change the value of Time Zone/Year/Date/Time.

### Time Zone/Year/Date/Time

Press **▼ / ▲** button to select this item, then press **ENTER/▶** button to select the item you want to adjust.

### Sleep Timer

Select the sleep timer to automatically turn off TV by setting the amount of time desired.

### Advanced Video Menu

Press **▼ / ▲** button to select this item, then press **ENTER/▶** button for **Advanced Video Menu**.



**Noise Reduction**

Press ENTER/◀/▶ button to select the level of noise reduction from Off/Low/Medium/High.

**Color Temperature**

Press ENTER/◀/▶ button to select the color temperature from Cool/Normal/Warm.

**3D/YC**

Press ENTER/◀/▶ button to set the 3D/YC On or Off.

**Adaptive Contrast**

Press ENTER/◀/▶ button to set the Adaptive Contrast On or Off.

**Gradient Enable**

Press ENTER/◀/▶ button to set the Gradient Enable On or Off.

**Blue Screen**

Press ENTER/◀/▶ button to set the Blue Screen On or Off.

**Audio Only**

Press ENTER and select "OK" to hide the video. Press and hold the power button for 3 seconds to restore to factory default settings.

**Parental Control**

Please enter a password to set Parental Control. The factory default password is 0000



ATV

**Password Set**

Please enter the correct old password before setting a new password, and after setting the new password, you need to enter it again to confirm it.



DTV



DTV



### Master Lock

Press **ENTER/▶** button to set the Master Lock On/Off. If you set this function on, all the parental control lock will be unavailable and it can play all kinds of programs.

### Unrated Lock

Press **ENTER/▶** button to set the Unrated Lock On/Off. If you set this function on, all the programs will be locked even they are unrated programs.

### US Ratings

Press **▼ / ▲** button to select this item, then press **ENTER/▶** button for **US Ratings Menu**. Canadian Rating Menu Press **▼ / ▲** button to select this item, then press **ENTER/▶** button for **Canadian Rating Menu**.



## Closed Caption

Press **▼ / ▲** button to select this item, then press **ENTER/▶** button for **Closed Caption Menu**.



### CC Mode

Press **ENTER/▶** button to select CC Mode from CC Off / CC On / CC ON Mute.

### Analog CC

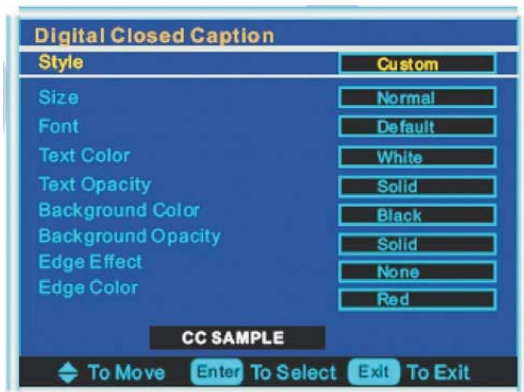
Press **ENTER/▶** button to select Analog CC Mode.

### Digital CC

Press **ENTER/▶** button to select Digital CC Mode.

### Advanced CC Settings

Press **ENTER/▶** button for **Advance CC Settings Menu**.



**Style:** Press **ENTER/▶** button to select CC Style between **Automatic** and **Custom**, you need to set it to **Custom** first if you want to change the value of items below.

**Size:** Normal/Large/Small.

**Font:** Default/Font1 to Font7.

**Text Color:** Red/Green/Blue/Yellow/Magenta/Cyan/Black/White.

**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/Depressed/Uniform/Left Shadow/Right Shadow.

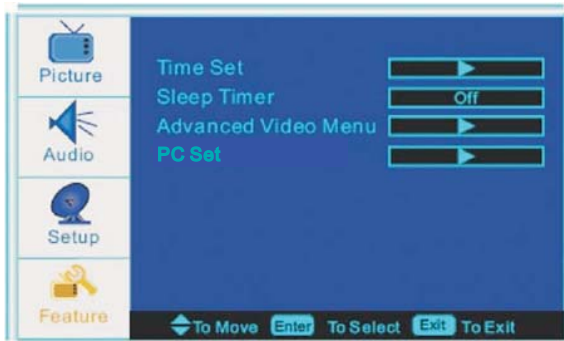
**Edge Color:** Black/White/Red/Green/Blue/Yellow/Magenta/Cyan.

### Tips:

**PC and Component in the state, some operations have done a revised menu.**

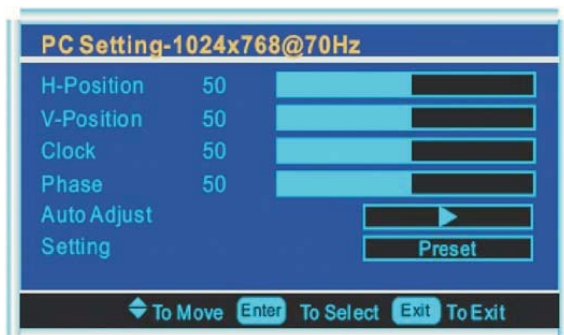
### Feature menu options in PC Mode

Press **TV/VIDEO** button to select the input source to PC Mode.



### PC Set

Press **▼ / ▲** button to select **PC Set** , then press **ENTER/▶** button for **PC Setting Menu**.



### H-Position

Press **ENTER/▶** button to adjust the horizontal position of the picture.

### V-Position

Press **ENTER/▶** button to adjust the vertical position of the picture

### Clock

Press **ENTER/▶** button to adjust the clock rate of the picture.

### Phase

Press **ENTER/▶** button to adjust the phase of the picture.

### Auto Adjust

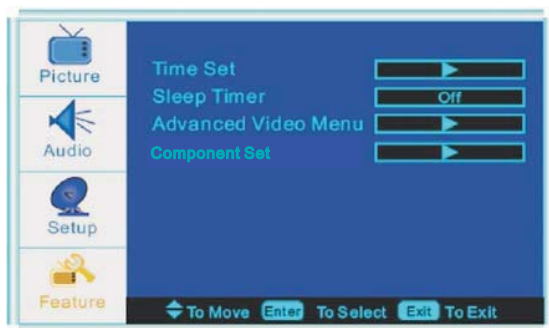
Press **ENTER/▶** button to auto adjust the **PC** setting.

### Setting

Press **ENTER/▶** button to reset the **PC** setting to factory default.

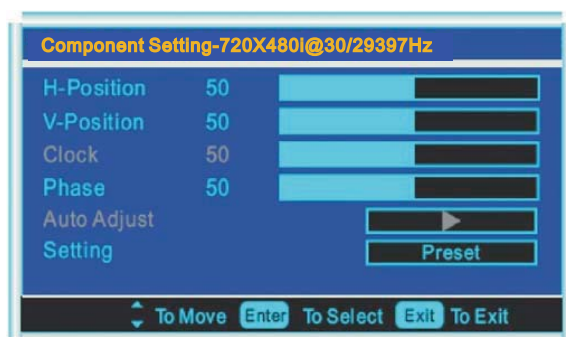
## Feature menu options in Component

Press **TV/VIDEO** button to select the input source to Component.



## Component Set

Press **▼ / ▲** button to select **Component Set**, then press **ENTER/▶** button for **Component Setting Menu**.



## H-Position

Press **ENTER/▶** button to adjust the horizontal position of the picture.

## V-Position

Press **ENTER/▶** button to adjust the vertical position of the picture

## Clock

This function is unavailable in component mode.

## Phase

Press **ENTER/▶** button to adjust the phase of the picture.

## Auto Adjust

This function is unavailable in component mode.

## Setting

Press **ENTER/▶** button to reset the **Component Setting** to factory default.

## 8- Technical Specifications

\*Cable channels may vary depending on your cable provider.

TV-SYSTEM	ATV system	NTSC-M
	DTV system	8VSB/QAM
	Max. Storage Channel	1000CH
RECEIVING CHANNEL		Air, Cable STD, Cable HRC, Cable IRC
PROGRAM CHANNELS		Air 2-69, Cable 1-135*
OPERATING VOLTAGE		120V AC, 60Hz
AUDIO		BTSC
AUDIO OUTPUT POWER (%10 THD)		2 x 6W
OSD Languages		English, French, Spanish
POWER CONSUMPTION(W)		180 W standby< 1W
PANEL		16:9 wide screen, 37-inch screen
SIZE (mm)	WIDE	936 mm
	HEIGHT	685 mm
	DEPTH	280 mm
	WEIGHT (LB)	23 Kg

**ELECTRON**