



**iiyama**  
Visual & Technology

# USER MANUAL

# *Pro Lite*

## LCD Monitor

ENGLISH

DEUTSCH

FRANCAIS

NEDERLANDS

### *PLC1900WTV*

Thank you very much for choosing the iiyama LCD monitor.  
We recommend that you take a few minutes to read carefully through this brief but comprehensive manual before installing and switching on the monitor. Please keep this manual in a safe place for your future reference.

## Explanation of WARNING Symbols



**Dangerous Voltage:** The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence dangerous voltage within the inside of the product that may be sufficient level to constitute a risk of electric shock to persons.



**Instruction:** The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and servicing instructions in the literature accompanying the appliance.

## Safety instructions

- 1) Read these instructions.
- 2) Keep these instructions.
- 3) Heed all warnings.
- 4) Follow all instructions.
- 5) Do not use this LCD TV near water.
- 6) Clean only with dry cloth. Do not use liquid, alcohol, or aerosol cleaners.
- 7) Do not block any ventilation openings. Install your LCD TV in a well-ventilated area.
- 8) Keep your LCD TV away from moisture, excessive dust and any heat sources, such as radiators, heat registers, stoves, or any other apparatus (including amplifiers) that produce heat.
- 9) Do not remove the back cover. There are no user-serviceable parts inside.
- 10) Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The third prong is provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
- 11) Protect the power cord from being walked on or pinched particularly at plugs, receptacles, and the point where they exit from the LCD TV.
- 12) Never rest objects on the power cord or place it in high traffic areas. It is better to use the point where they exit from the apparatus.
- 13) Only use attachments/accessories specified by the manufacturer.
- 14) Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the LCD TV. When a cart is used, use caution to avoid injury from tip-over.
- 15) Unplug this LCD TV during lightening storms or when unused for long periods of time.
- 16) Refer all servicing to qualified service personnel-- Servicing may be required if the LCD TV has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.



- 17) Do not expose your LCD TV to dripping or splashing, and no objects filled with liquids be placed on it.
- 18) The Shock Hazard Marking and Associated Graphical Symbol are provided on the back panel of unit.
- 19) This product is only to perform the useful function of entertainment and visual display tasks are excluded.
- 20) Wall or ceiling mounting: When mounting the product on a wall or ceiling, be sure to install the product according to the method recommended by the manufacturer. Use only their indicated mounting hardware for safety.



**CAUTION:** Any damage caused by incorrectly attempting to mount this LCD TV is not covered under the terms of the manufacturers warranty.



**WARNING:** To reduce the risk of fire or electric shock, do not expose this LCD TV to rain or moisture.



According to WEEE regulation , this monitor can't be handled as normal trash in Europe when it is out of usage. Please refer to the recycle information from our website to handle it.

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## ACCESSORIES

Thank you for purchasing this LCD-TV of high performance!  
This LCD-TV package comes with:

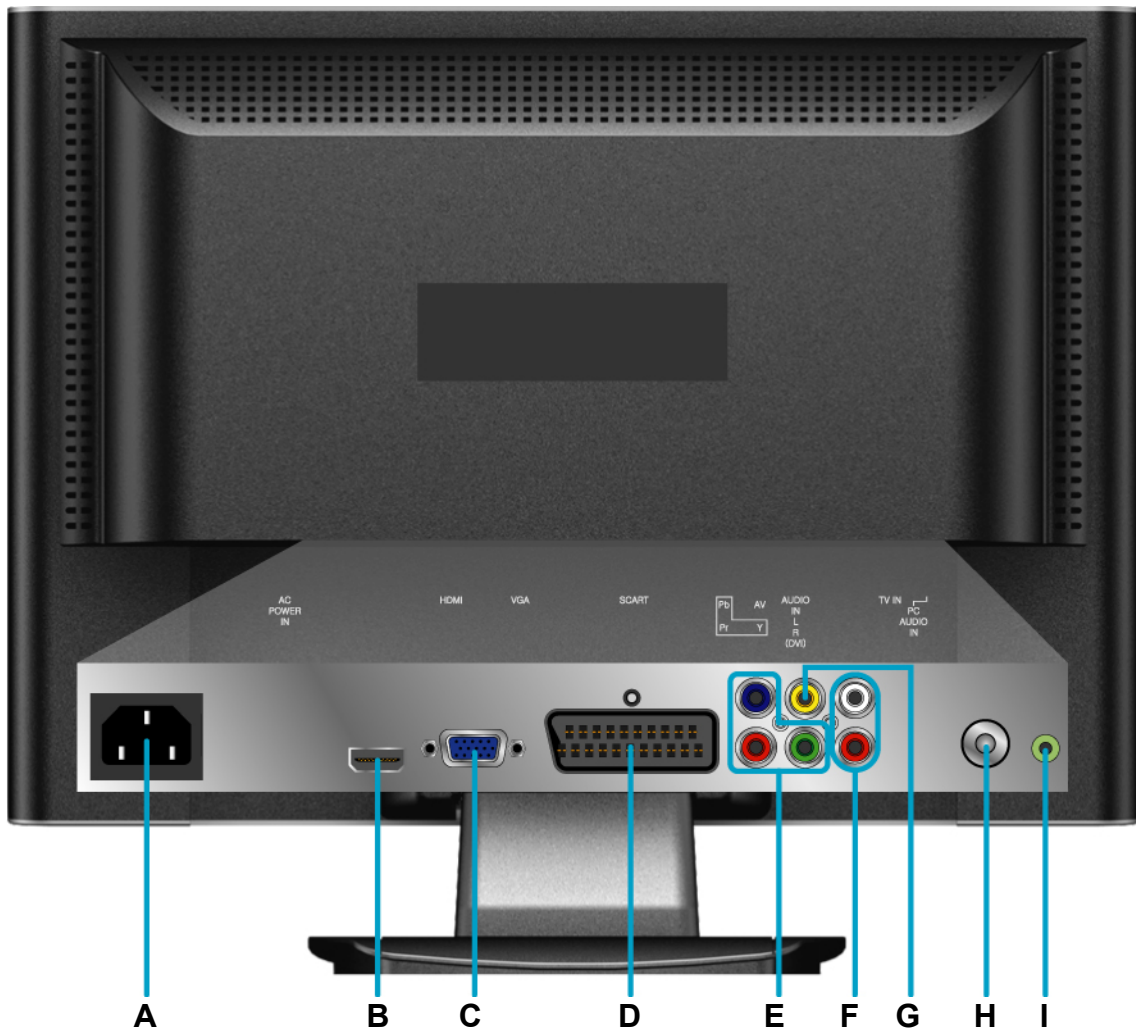
- LCD TV
- User's Guide Book
- Remote Control
- Battery AA x 2
- Power Cord
- VGA Cable
- RCA A/V Cable
- HDMI Cable
- Audio Cable

## FRONT PANEL CONTROL



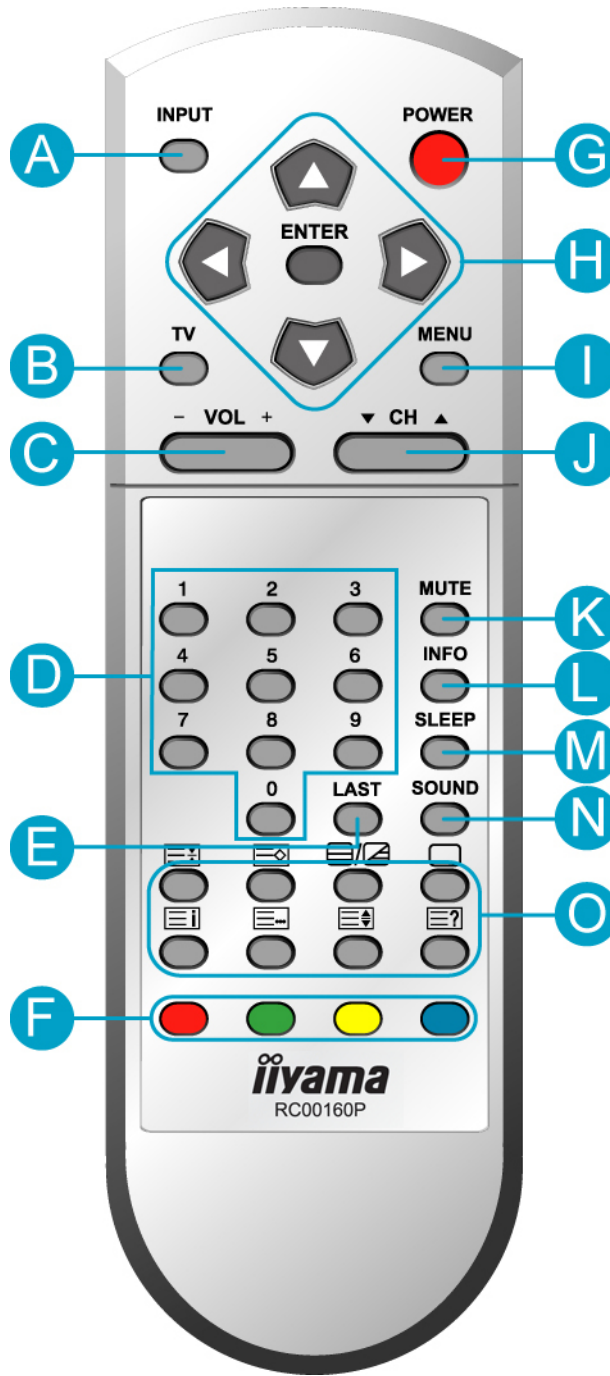
①	Volume Down (Adjust Decreasing)
②	Volume Up (Adjust Increasing)
③	On Screen Display Menu Key (Back to Previous Menu)
④	Scroll Down (Channel Down)
⑤	Scroll Up (Channel Up)
⑥	Input Source Selection (Enter)
⑦	Power On/Off Switch
⑧	Power LED Indicator/ Remote Control Receiver

# BACK PANEL CONTROL



<b>A</b>	Power Input (AC Input)
<b>B</b>	HDMI (support HDCP or PC) Signal Input
<b>C</b>	VGA (15 pin) Signal Input from Computer
<b>D</b>	SCART Signal Input
<b>E</b>	YPbPr / HD Component Video Input
<b>F</b>	Audio Input for AV, YPbPr or HDMI-DVI components (left/right)
<b>G</b>	Composite Video Input
<b>H</b>	RF Antenna / Cable TV Input
<b>I</b>	Audio Input for VGA

# REMOTE CONTROL





## Function of remote control button

<b>A</b>	<b>INPUT</b>	Input source select
<b>B</b>	<b>TV</b>	Switch to TV when in any source
<b>C</b>	<b>VOL +/-</b>	Adjust volume up or down
<b>D</b>	<b>0~9 number</b>	Change channel number
<b>E</b>	<b>LAST</b>	Return to previous channel
<b>F</b>	<b>RED</b>	In Teletext function: move cursor down In Name function: edit channel name / select channel for exchange
	<b>GREEN</b>	In Teletext function: move cursor up In Name function: add desired channels / select channel for exchange
	<b>YELLOW</b>	In Teletext function: change from current page to selected page In Name function: erase desired channels
	<b>BLUE</b>	In Teletext function: go out from CURSOR Mode In Name function: confirm edited name
<b>G</b>	<b>POWER</b>	Power ON/OFF
<b>H</b>	<b>UP/ DOWN/ LEFT/ RIGHT/ ENTER</b>	UP/ DOWN/ LEFT/ RIGHT: Navigate and adjust OSD function ENTER: Enter the function setting
<b>I</b>	<b>MENU</b>	On Screen Display (OSD) menu ON/OFF
<b>J</b>	<b>CH ▲ and CH ▼</b>	Adjust Channel UP/DOWN
<b>K</b>	<b>MUTE</b>	Volume mute ON/OFF
<b>L</b>	<b>INFO</b>	Display current information
<b>M</b>	<b>SLEEP</b>	Get into sleep timer setting
<b>N</b>	<b>SOUND</b>	Display the current sound mode
<b>O</b>	<b>TELETEXT FUNCTION CONTROL button</b>	Enter to teletext mode (refer to page 6~7)

## Teletext function control button



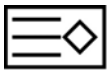
### PICTURE button

- **In MIXED Mode:** Press the button to return from MIXED mode to the normal TV Screen (current program).



### TEXT/ MIX button

- **In TV Mode:** Press the TEXT/ MIX button to enter the Teletext mode.
- **In TELETEXT Mode:** Press the button again to superimpose a Teletext broadcast onto the screen of current TV program (Mixed mode).



### Store button

- Store current page in List mode.
- Press the LIST button to change from FLOF system to LIST Mode.
- Press a coloured button corresponding to the coloured brackets on the screen for page number storage.
- Enter the Teletext page number using the 0 ~ 9 digit buttons (enter three digits).
- Press the STORE button to memorize the page numbers you require.



### Hold button

- Press this button to remove the information from the display and stop the automatic page change which will occur if a teletext page consists of 2 or more sub pages.
- To continue to press this button again. The number of sub pages and the sub page displayed is, usually, shown on the screen below the time. When this button is pressed the stop symbol is displayed at the left-top corner of the screen and the automatic changing is inhibited.



### Index button

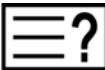
- Press the Index button to return to index page.
  - When you press this button in teletext mode, a CURSOR appears. This cursor (rectangular box) contains a page number and you can select the desired page simply by using the four colours.
- RED button: Move cursor down.
- GREEN button: Move cursor up.
- YELLOW button: Change from current page to selected page.
- BLUE button: Exit the CURSOR Mode.

**List button**

- Press this button you force the Teletext to LIST Mode. It means that row 24 (bottom row of Teletext) will not have transmitting information, only the pages that you have previously stored in the memory.
- Press LIST button again to exit from LIST Mode to teletext.

**Size button**

- Select double height text under Teletext mode for full screen.
- Press this button to enlarge the top half of the page.
- Press this button again to enlarge the bottom half of the page.
- Press this button again to return to the normal display.

**Reveal button**

- Press this button to display concealed information, such as solutions of riddles or puzzles.
- Press this button again to remove the information from the display.

# INSTALLATION

## Connecting RF antenna or Cable TV Wire

Make sure the power is OFF before installing your LCD TV. Connect the LCD TV to TV antenna wire or cable/satellite box with 75-ohm coaxial cable.

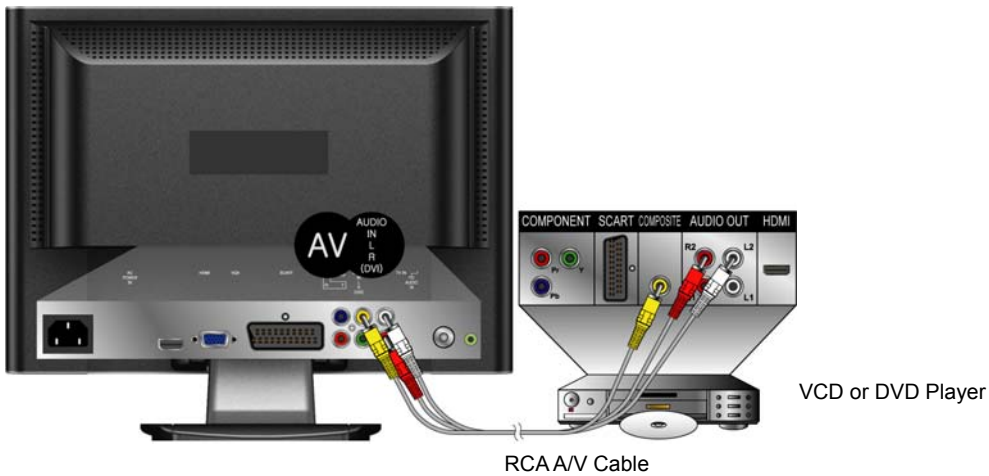
Preset the TV channels into memory with **AUTO SCAN** function (See page 13) when using an antenna or cable TV system without a cable connector box.



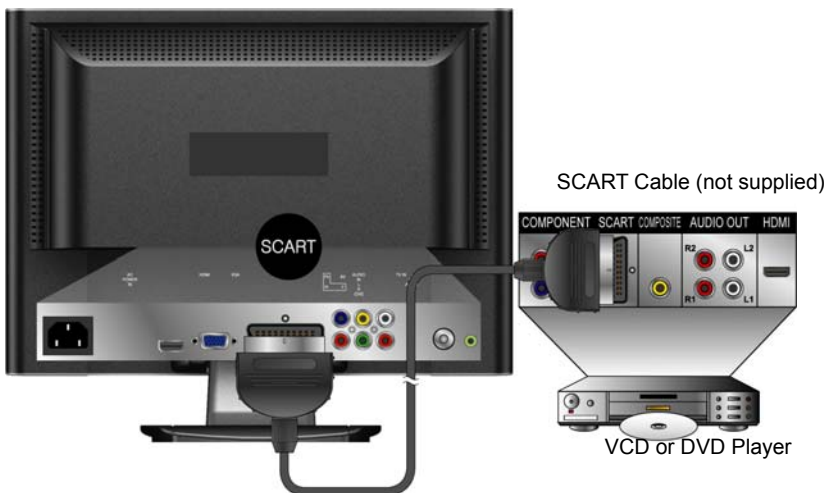
## Connecting to DVD/ Set Top Box

Connect Video/ Audio cables from compatible devices into the back panel of LCD TV.

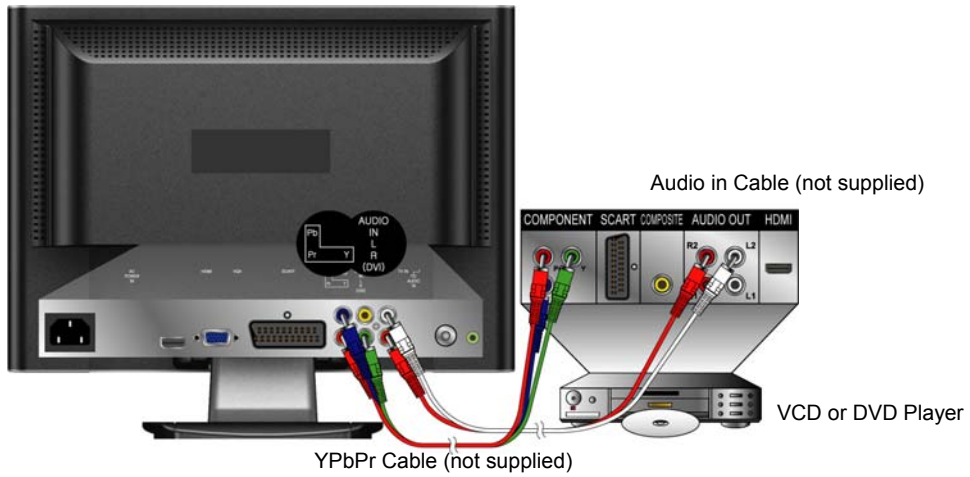
### 1) With RCA A/V cable:



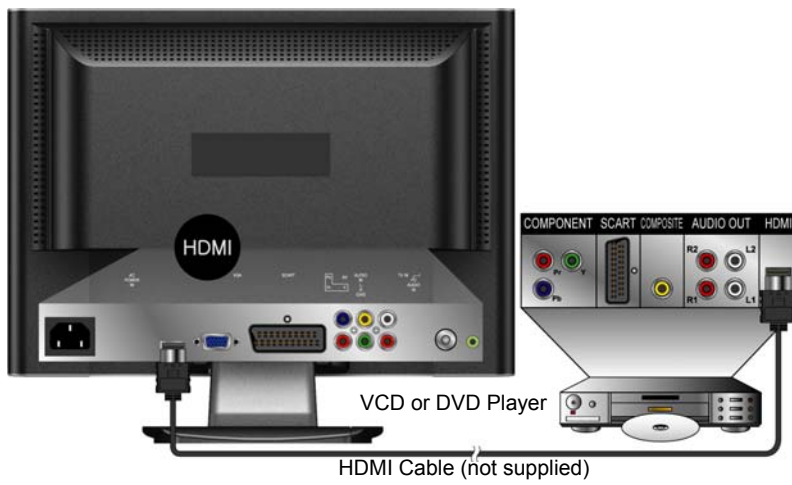
### 2) With SCART cable:



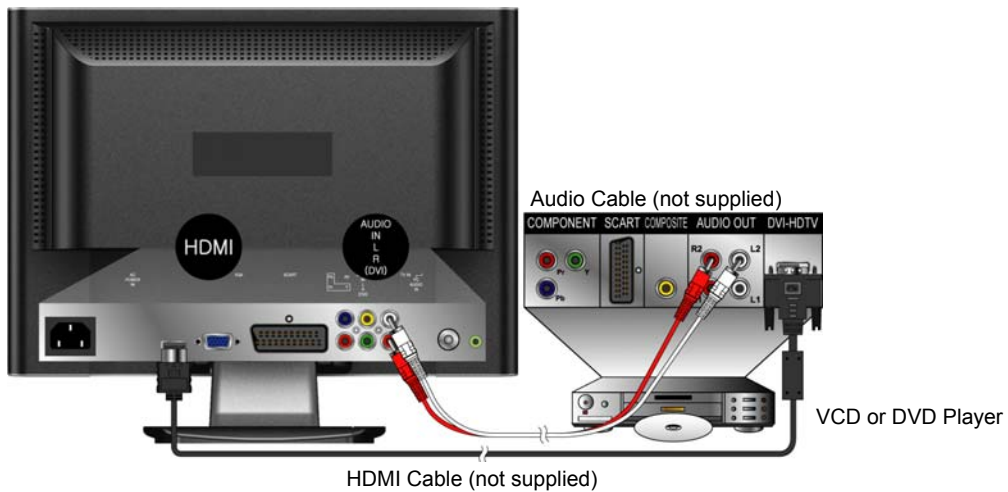
3) With YPbPr cable:



4) With HDMI cable:

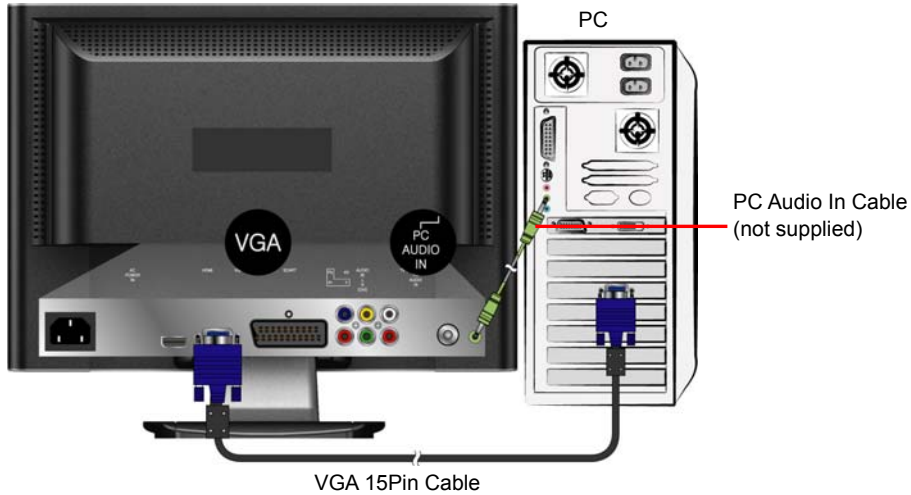


5) With HDMI to DVI cable:

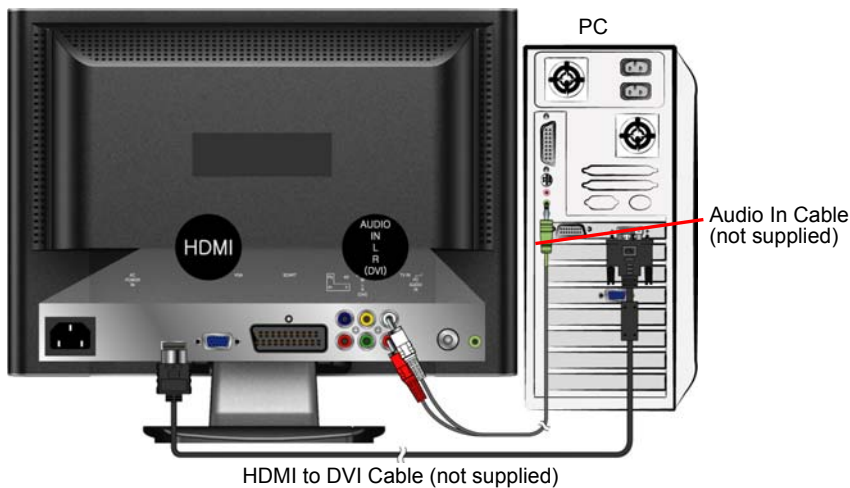


## Connecting to a Computer

- 1) **VGA (15pin D-Sub):** Connect the VGA cable from VGA output of the computer to the VGA terminal input of your LCD TV. Also, connect the Audio In cable (green) from the audio output of your computer to the audio input terminal (green) of the LCD TV.



- 2) **HDMI-DVI cable:** Connect the HDMI-DVI cable from the DVI output of the computer to the HDMI terminal input of the LCD TV. Also, connect the green end of the Audio In cable from the audio output of your computer to the audio input terminal (red/white) of the LCD TV.



## Connecting with the Power Cord

Connect the power cord to the power cord connector on the back of your LCD TV, and plug the other end of the power cord into a correctly grounded electrical outlet.



## BASIC OPERATION

To operate your LCD TV, you may use the TV remote control or top panel buttons to select input source, change channels, or adjust volume.

### Turning the LCD TV

Before using the LCD TV:

Connect external equipments properly.

Insert the power plug, and the power LED indicator will light orange.

### Power On/Off

To turn the LCD TV on/off:

Press **POWER** button on the bottom of LCD TV or press **POWER** button on your remote control to turn on/off the TV. The power LED indicator lights blue when the LCD TV is on.

*Note: when there is no signal in the PC mode, the power LED indicator lights orange after a few seconds' idleness.*

### Selecting input source

Press the **INPUT** button on the remote control, and use **▲▼** to select the required input source between PC, HDMI, TV, AV, SCART, or YPBPR.

### Volume Adjust

Press **- VOL +** to adjust volume.

To turn off the volume, press **MUTE**.

To restore volume, press **MUTE** again, or press **- VOL +** directly.

### Channel Select

Press number buttons or **▼CH▲** buttons to select the desired channels.

Ex: the desired channel is 8--Press **0** → press **8**, or press **8** only.

Return to previous channel, press **LAST** button.

### Sleep Time Setting

Repeatedly press **SLEEP** button to set the off timer. The function is used to automatically shut off the LCD TV after a preset period of time passed.

There are several times for choice -- 15min, 30min, 45min, and 60min.

To cancel Sleep Time function, choose 0 min.

### Sound

Repeatedly press **SOUND** button on the remote control to select audio language. The available selection include stereo, mono, SAP, etc.

### Using the OSD Menu

You are able to use OSD menus to adjust various settings by using your remote control or menu button on the top of the LCD TV.

The basic operation is as following:

- Press **MENU** to display OSD menu.
- Use **◀▶** to move the cursor left and right to select OSD menu page.
- Press **ENTER** or **▼** to enter the OSD menu page.
- Use **▲▼** to select the optional item you want to adjust.
- Press **◀▶** to adjust levels or select the items.
- Press **MENU** again to exit current OSD page.

## ADVANCED OPERATION—OSD MENU

You can use the OSD menu to adjust various settings for your LCD TV.

Press the **MENU** button to display the OSD Menu, and use ◀ ▶ to select the desired OSD menu.

### In HDMI, TV, AV, SCART, YPbPr mode

#### Picture Menu

When input source is TV,



When input source is HDMI, AV, SCART, or YPbPr:



**Contrast:** To adjust contrast of video.

**Brightness:** To adjust luminance of video.

**Colour:** To adjust colour.

**Tint:** To adjust tint level.

**Sharpness:** To adjust picture sharpness.

**Colour Temp.:** To select colour Temperature by pressing ◀ ▶ — Normal, Warm, or Cool.

**Aspect Ratio:** To select image size between Full, Zoom1, Zoom2, Normal, Panaroma, WSS.

*Note: Panaroma is not supported when video resolution is 720p or higher, and WSS is available only under TV, SCART, or AV input source.*

#### Sound Menu

When input source is TV,



When input source is HDMI, AV, SCART, or YPbPr:



**Bass:** To adjust the bass.

**Treble:** To adjust the treble.

**Balance:** To adjust the left and right audio balance.



**AVC:** To select automatic volume control circuitry (AVC) ON or OFF. (only available in TV mode)

## OSD Menu

When input source is TV,



When input source is HDMI , AV, SCART, or YPbPr:



**Sleep:** To set TV sleep timer between 15 min, 30 min, 45 min, 60 min, or OFF.

**TTX Language:** To select the language of Teletext content from WEST, EAST, RUSSIAN, ARABIC, and FARSI with ◀▶. (only available in TV, AV, or SCART mode)

**OSD Language:** To select the OSD language between English, French, German, Spanish, Italian, Portuguese, Dutch, and Swedish with ◀▶.

**OSD H. Position:** To adjust the horizontal position of OSD.

**OSD V. Position:** To adjust the vertical position of OSD.

**Duration:** To automatically shut off the OSD after a preset period of time passed.

Use ◀▶ to preset the time from 15 to 60 seconds. To keep the OSD on, select OFF.

**Canal+:** To enable SCART connector to support Canal+ Set Top Box (available in French). For normal SCART function, please select OFF.

*Note: The Canal+ function is available only when the input source is SCART.*

**Reset:** To recall factory setting condition. Press **ENTER** to recall all settings.

## Channel Menu

It is only active in TV source.



**Auto Scan:** To automatically preset the channels into TV's memory. Select the country of your area with ◀▶ and then press **ENTER** to perform Auto Scan. If the country is not listed in the

selection area, select "OTHERS." Kindly suggest you auto scan all the channels before watching your TV for the first time.

**Note:** After auto scanning all the channels, you need not to do it again when turning on your TV next time.

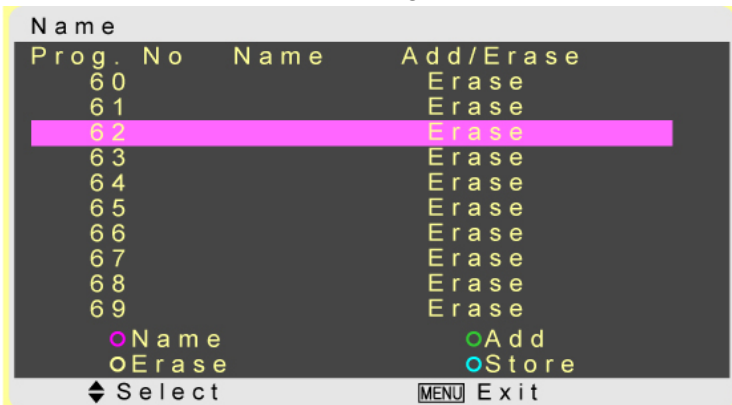
**Manual Store:** To search the detectable channels and store them into memory manually.



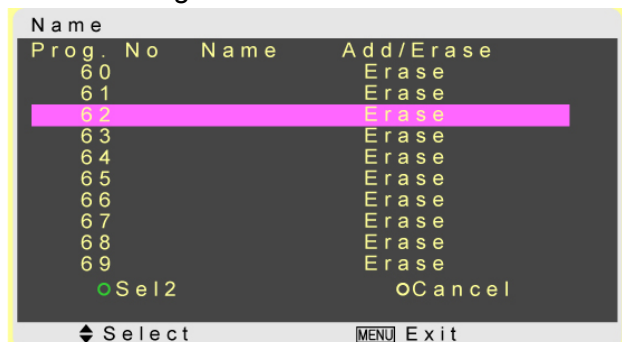
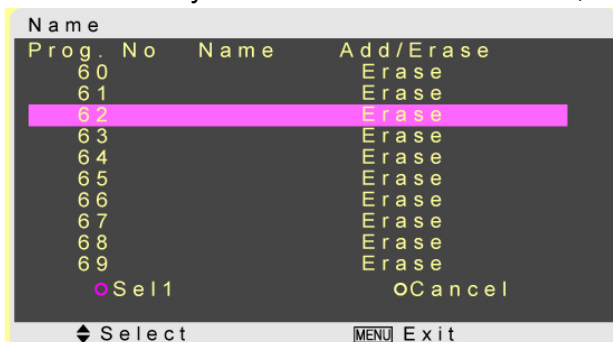
1. Press ◀ or ▶ to get into "Manual Store."
2. Move the cursor to "Prog. No," and select the desired channel position with ◀▶.
3. Move the cursor to "System," and select the system according to your local area with ◀▶.
4. Move your cursor to "Search," and search the detectable channels with ◀▶.
5. Move your cursor to "Fine Tune," and adjust the picture with ◀▶.
6. Move to Store, then Store the instruction with **ENTER**.

**Note:** The channel will be stored instead of the former program.

**Name:** To enter a name for program with 0~9 and A~Z. Press ◀ or ▶ to get into "Name."



1. To enter a name:  
Press red key (on the remote control) to edit a name for the channel.  
Use ▲▼ to select the desired letter and use ◀▶ to move the cursor to enter next letter. After the desired name is entered, press blue key (OK) to confirm.
2. To Erase/ Add channels:  
Use ▲▼ to select the desired channel.  
Press yellow key to erase the channel or press green key to add it.  
When using ▲CH▼ key, the channels you erased will be passed over. You may press green key to add the erased channels or use Auto Scan function to re-present them.
3. To exchange one channel with another:  
Press blue key to enter the function of "Sort," and the following screen will show.



If you want to exchange channel 1 with channel 2:

1. Move your cursor to channel 1 and press red key (Sel1) to select channel 1.
2. Move your cursor to channel 2 and press green key (Sel2) to select channel 2.
3. Confirm your selection by pressing blue key (OK).
4. Press **MENU** to exit.

## In PC Function (VGA and HDMI-DVI mode)

### PC Menu

When input source is PC:



When input source is HDMI (PC function):

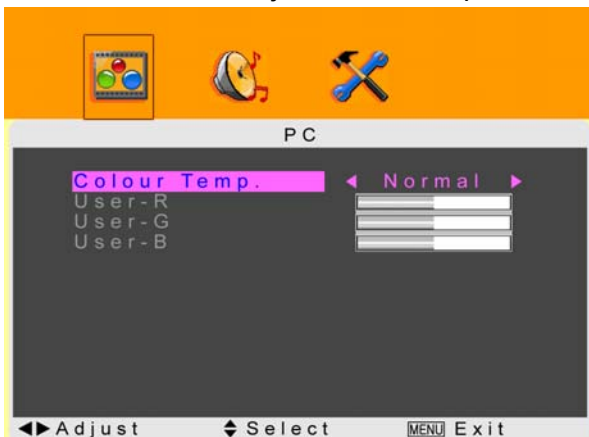


**Auto Adjust:** Auto adjust picture's horizontal position, vertical position, fine tune, and H-Size with ◀▶. (disabled in HDMI)

**Contrast:** To adjust foreground luminance of video.

**Brightness:** To adjust background luminance of video.

**Colour Mode:** To adjust colour temperature.



1. Press ◀ or ▶ to get into Colour Mode.
2. Use ◀▶ to select between Normal, Warm, Cool and User.
3. When "User" is selected, it allows you to adjust the colour of red, green, and blue separately.

**H-Position:** To adjust horizontal position of video. (disabled in HDMI)

**V-Position:** To adjust vertical position of video. (disabled in HDMI)

**Clock:** To adjust delay time of clock in order to reduce the noise of picture. (disabled in HDMI)

**Phase:** To adjust delay time of phase in order to reduce the noise of picture. (disabled in HDMI)

## Sound Menu



**Bass:** To adjust the bass.

**Treble:** To adjust the treble.

**Balance:** To adjust the left and right audio balance.

**AVC:** Enable or disable Auto volume control. (disabled in PC source)

## OSD Menu



**Sleep:** To set TV sleep timer between 15 min, 30 min, 45 min, 60 min, or OFF.

**TTX Language:** Disabled in PC & HD (YPbPr) source.

**OSD Language:** To select the OSD language between English, French, German, Spanish, Italian, Portuguese, Dutch, and Swedish with ◀▶.

**OSD H - Position:** To adjust the horizontal position of OSD.

**OSD V - Position:** To adjust the vertical position of OSD.

**Duration:** To automatically shut off the OSD after a preset period of time passed.

Use ◀▶ to preset the time from 5 to 60 seconds.

**Canal+:** Disabled in PC source.

**Reset:** Press **ENTER** to reset all the settings in PC page.

## TECHNICAL INFORMATION

<b>LCD</b>	Type	19.05" TFT Active Matrix 0.285(H) x 0.285(V) mm pixel pitch
	Color Filter	RGB vertical stripe
	Glass surface	Anti-Glare
<b>Input signal</b>	RGB	RGB analog (0.7/1.0 Vp-p, 75 ohms) Separate Sync, fh: 30-80 kHz, fv:50-75 Hz
	RF	TV system Antenna - PAL / SECAM
	Video	1 composite RCA, 1 SCART, 1 YPbPr component, 1 HDMI
	Audio	1 mini-stereo, 1 pair of RCA (L/R) stereo
<b>Compatibility</b>	PC	Up to 1440 x 900 Non-interlaced
<b>Resolution</b>	Recommended and supported	1440 x 900 @ 60 1280 x 1024 @ 60 Hz, 75 Hz 1024 x 768 @ 60, 75 Hz 800 x 600 @ 60, 75 Hz 640 x 480 @ 60, 75 Hz
<b>Speaker Output</b>		2.5W x 2
<b>Power</b>	Voltage	100-240 VAC, 50/60 Hz (auto switch)
<b>Display area</b>	Full Scan	410.4 mm (H) x 256.5 mm (V) 16.2" (H) x 10.1" (V)
<b>Operating conditions</b>	Temperature	32°F to + 104°F ( 0°C to + 40°C)
	Humidity	20% to 70% (no condensation)
	Altitude	To 10,000 feet (3,000m)
<b>Storage condition</b>	Temperature	-4°F to + 140°F (-15°C to + 60°C)
	Humidity	20% to 90% (no condensation)
	Altitude	To 40,000 feet (12,000m)
<b>Dimensions</b>	Physical	443.0mm (W) x 379.7mm (H) x 210mm (D) 17.4" (W) x 14.9" (H) x 8.3" (D)
<b>Weight</b>	Net	4.95 kg (10.9 lb)
<b>Regulations</b>		CE, CB
<b>Power saving modes</b>	On	< 50 W (blue LED)
	Active Off	< 2 W (orange LED)
<b>Warning:</b> Do not set the graphics card in your computer to exceed these refresh rates; doing so may result in permanent damage to the LCD TV		

## SAFETY PRECAUTIONS

This LCD TV is manufactured and tested on a ground principle that a user's safety comes first. However, improper use or installation may result danger to the LCD TV as well as to the user. Carefully go over the following WARNINGS before installation and keep this guide handy.

### Warnings

- This LCD TV should be operated only at the correct power sources indicated on the label on the rear end of the LCD TV. If you are unsure of the power supply in your residence, consult your local dealer or power company.
- Do not try to repair the LCD TV by yourself as it contains no user-serviceable parts. The LCD TV should be repaired by a qualified technician only.
- Do not remove the LCD TV cabinet. There is high-voltage parts inside that may cause electric shock to human bodies, even when the power cord is disconnected .
- Stop using the LCD TV if the cabinet is damaged. Have it checked by a service technician.
- Put your LCD TV only in a clean dry environment. Unplug the LCD TV immediately if it gets wet, and consult your service technician.
- Always unplug the LCD TV before cleaning it. Clean the cabinet with a clean dry cloth. Apply non-ammonia based cleaner onto the cloth, not directly onto the glass screen.
- Keep the LCD TV away from magnetic objects, motors, TV sets, and transformer.
- Do not place heavy objects on the cable or power cord.
- For PLUG CABLE EQUIPMENT, the Socket-outlet shall be installed near the equipment and shall be easily accessible.

## CARE AND MAINTENANCE

### Care

- Avoid exposing your LCD TV directly to sunlight or other heat source. Place your LCD TV away from the sunlight to reduce glare.
- Put your LCD TV in a well ventilated area.
- Do not place anything heavy on top of your LCD TV.
- Make certain your LCD TV is installed in a clean and moisture-free area.
- Keep your LCD TV away from magnets, motors, transformers, speakers, and other TV sets.

### Safety Tips

- If smoke, abnormal noise or odor appears to arise from your LCD TV. Remove the power cord immediately and call your service center.
- CAUTION-Never remove the rear cover of your LCD TV cabinet. The display unit inside contains high-voltage and may cause electric shock to human bodies.
- Never try to repair your LCD TV yourself. Always call your authorized service center or a qualified technician to fix it.

## TROUBLESHOOTING

### No Power

- Make sure A/C power cord is securely connected to the power supply is firmly connected to the TV.
- Plug another electrical device into the power outlet to verify the outlet is working.

### Power on but no screen image

- Make sure the video cables are tightly secured.
- You have selected the correct video input.
- Adjust brightness.
- Make sure all cables are installed.

### Wrong or abnormal colors

- If any colors (red, green, blue) are missing, check the video cable to make sure it is securely connected. Loose or broken pins in the cable connector could cause an improper connection.
- Connect the TV unit to another video source or use another TVs to make sure the video source is no problem.

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