

**TFT LCD TV  
Instruction Manual**

**L710TV**

**PAL B/G, D/K, I/I  
VIDEO/S-VIDEO/PC  
MULTI-LANGUAGE OSD**



**HELP LINE: 0870 100 2525**

*With queries, please quote the page number,  
reference number and model number.*

## Caution



CAUTION  
RISK OF ELECTRIC SHOCK DO NOT OPEN



CAUTION : TO REDUCE THE RISK OF ELECTRIC SHOCK  
DO NOT REMOVE COVER (OR BACK).  
NO USER-SERVICEABLE PARTS INSIDE.  
REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated “dangerous voltage” within the product’s enclosure that may be of sufficient magnitude to constitute a risk electric shock.



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.

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



### DISPOSAL OF USED ELECTRICAL & ELECTRONIC EQUIPMENT

The meaning of the symbol on the product, its accessory or packaging indicates that this product shall not be treated as household waste. Please, dispose of this equipment at your applicable collection point for the recycling of electrical & electronic equipments waste. In the European Union and Other European countries which there are separate collection systems for used electrical and electronic product. By ensuring the correct disposal of this product, you will help prevent potentially hazardous to the environment and to human health, which could otherwise be caused by unsuitable waste handling of this product. The recycling of materials will help conserve natural resources. Please do not therefore dispose of your old electrical and electronic equipment with your household waste. For more detailed information about recycling of this product, please contact your local city office, your household waste disposal service or the shop where you purchased the product.

# Safety Precautions

## 1. Cleaning

Unplug the LCD TV from the AC power outlet before cleaning. Do not use liquid cleaner or aerosol cleaner. Use a soft and damp cloth for cleaning.



## 2. Attachments

Do not use attachments not recommended by the LCD TV equipment manufacturer as they may result in the risk of fire, electronic shock or other injury.



## 3. Water and Moisture

Do not place the LCD TV near water, for example:- near a bathtub, kitchen sink, laundry tub, in a wet basement or near a swimming pool, or the like.



## 4. Heat

Keep the LCD TV away from heat sources such as radiator, heater, stoves and other heat-generating products.



## 5. Setting

Do not place the LCD TV on an unstable platform, for example:- a stand or table. Placing the LCD TV on an unstable base can cause the LCD TV to fall resulting in personal injuries as well as damage to the LCD TV. Use only a platform recommended by the manufacturer.



## 6. Wall or Ceiling Mount

When mounting the product on a wall or ceiling be sure to install the product using the designated mounting tools according to the method recommended by the manufacturer.

## 7. Power

The LCD TV should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supplied to your home consult your TV dealer or local power company.



## 8. Pixels

The LCD TV panel is a high technology product with thousands of thin film transistors which give you super-fine picture detail. Occasionally a few non-active pixels may appear on the screen as a fixed point of blue, green or red. Please note that this does not affect the performance of your product and can be very difficult to even see.

## 9. Moving

When moving the product place your fingers of one hand in the socket on the back of the LCD TV and support the front of the LCD TV with the other hand. Please make sure no pressure is applied to the screen itself as it can and will damage the sensitive LCD pixels within the screen.

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# Important Safeguards

## Location

Heat, Moisture, Dust, Vibration

Position your LCD TV so that bright light or sunlight doesn't fall directly onto the screen.

Care should be taken not to expose the set to any unnecessary vibration, moisture, dust or heat.

Do not expose the set to dripping or splashing.

Ventilation

Also ensure that the set is placed in a position to allow a free flow of air.

Do not cover the ventilation openings on the back cover.

Leave at least 10 cm around each side of the TV set.

Mounting

This set can be positioned by using the table top stand or wall mounting bracket.

When you install the set using the wall mounting bracket, fix it carefully so it is secure.

## Object Entry

Do not insert foreign objects, such as needles and coins, into the ventilation openings.

## Lightning Strikes

You should disconnect your set from the mains and the aerial system during thunderstorms.

## Cleaning

Unplug the set from the mains before cleaning.

Dust the set by wiping the LCD screen and the cabinet with a soft, clean cloth.

If the screen requires additional cleaning, use a clean, damp cloth.

Do not use liquid cleaners or aerosol cleaners.

Do not rub or strike the LCD with anything hard as this may scratch or damage the LCD permanently.

## Service

Never remove the back cover of the set as this can expose you to high voltage and other hazards.

If the set does not operate properly, unplug it and call your dealer.

## European Union Notice

Products with the CE Marking comply with both the EMC Directive (89/336/EEC) and the Low Voltage Directive (73/23/EEC) issued by the Commission of the European Community.

Compliance with these directives implies conformity to the following European Norms (in brackets are the equivalent international standards):

- EN55022 (CISPR 22) - Electromagnetic Interference
- EN55024 - Immunity Test for ITE Product
- EN60950 (IEC950) - Product Safety
- EN61000-3-2 (IEC555-2) - Power Line Harmonics

As an **ENERGY STAR®** Partner, Daewoo Electronics co., Ltd has determined that this product meets the Energy Star® guidelines for energy efficiency.

The product is also designed for IT power system with phase to phase voltage of 230V.

## Supplied Accessories

Make sure that the following accessories are provided with the product.

- Power Cord
- Remote Controller + Batteries
- Scart-to-Phono cable

If any item is missing or damaged, please contact your dealer.

Please keep the box and packaging materials so that you may properly store or transport your LCD Television.

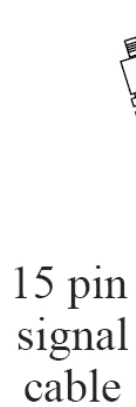
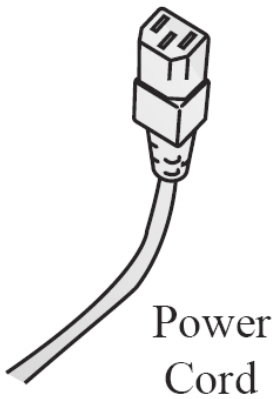
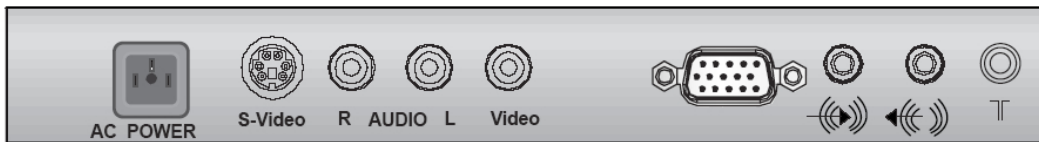
# Functional Overview

- The LCD TV is designed for use in a small environment or for those who need more space.
- The convenient and user-friendly on-screen display allows for easy and accurate adjustments of the various features.
- The LCD TV complies with the VESA Display Data Channel (DDC) specification for Plug and Play compatibility.
- The LCD TV features Advanced Colour Controls and fine-tuning to meet your own personal settings or application requirements.
- PC MODE - use the on-screen controls to adjust the colour temperature for the best possible screen colour and intensity.
- Selecting the Reset button in PC Mode will activate the Auto Tracking to determine whether your monitor is functioning normally, not receiving a signal, or is receiving a signal that is out of scanning range.
- The LCD TV has a native resolution of 1280x1024 at 75Hz. Optimal for any PC configuration you require.
- The LCD TV can be connected to various types of video devices with supporting video input signals like Composite video(CVBS), Seperate video(S-Video).
- The built-in TV tuner and antenna connection terminal enables you to watch TV without a separate receiving device.
- The LCD TV is equipped with a remote controller enabling function control for TV and PC modes.
- Internal speakers provide sound therefore, separate audio equipment is unnecessary.
- PC MODE – with the Picture Mode function you can experience high contrast, vivid, movies or any other multimedia utilization.

# Preparation

## Connecting & Powering-up (PC MODE)

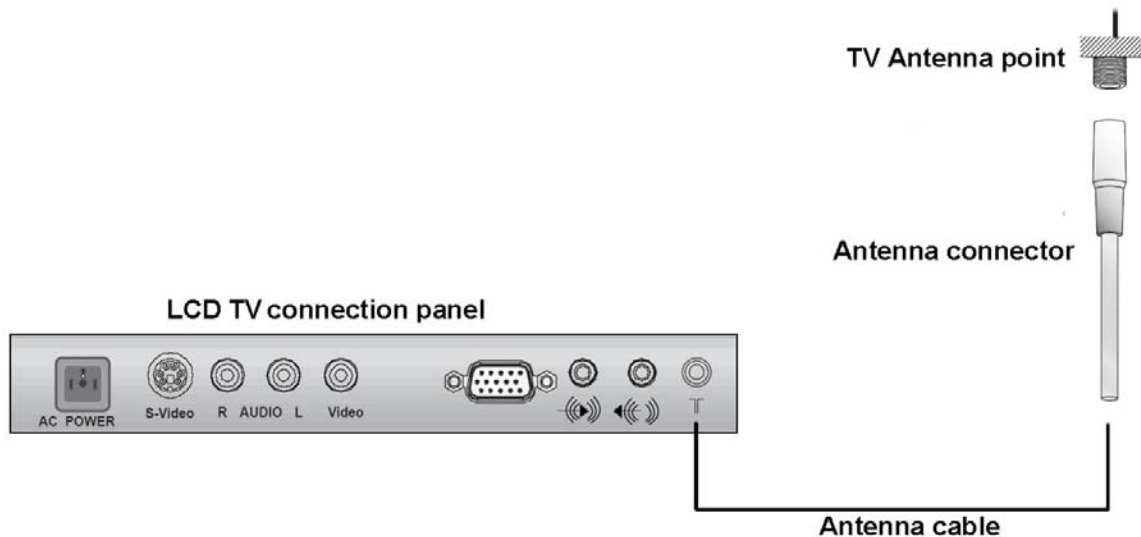
1	Turn off the computer and LCD TV
2	Connect a 15 pin signal cable (not supplied) to the output port of the video card in your computer and monitor
3	Tighten the screws of the 15 pin signal cable
4	Connect an audio cable (not supplied) to the output port of the sound card in your computer
5	Plug the power cord into the AC POWER port located on the back of the LCD TV
6	Plug the other end of the power cord into the AC outlet





# Preparation

## Connecting the LCD TV



## Aerial connection

Connect an Aerial cable (75ohm coaxial cable) to the Aerial Terminal on the back of the LCD TV connection panel.

### How to watch TV

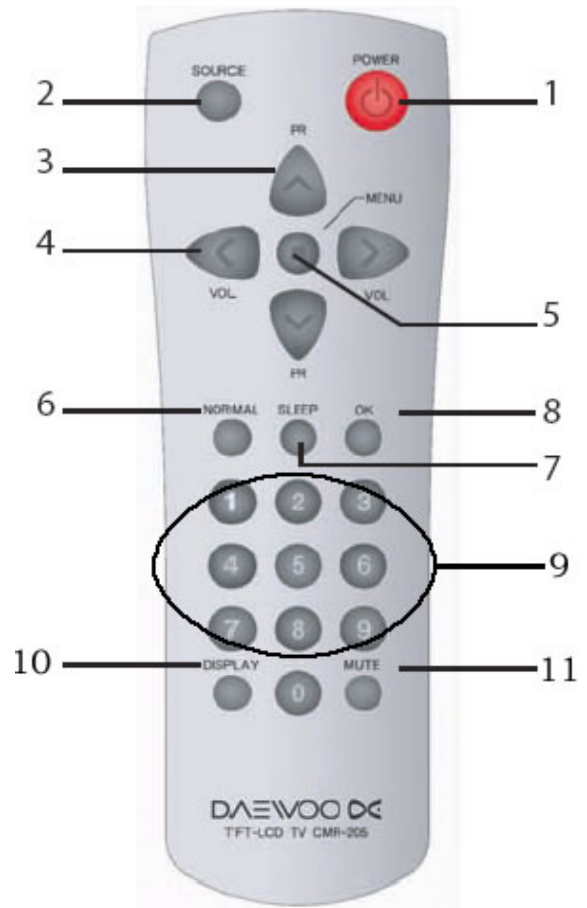
1. Turn on the LCD TV
2. Choose the TV mode using the SOURCE button on the Remote controller
3. Choose the Programme

**\* This product is for PAL ONLY therefore you are not able to watch this LCD TV in countries where PAL transmissions are not adopted.**

# Preparation

## Remote Controller

1	Power - power the LCD TV on and off
2	Source - select the input mode (video, s-video, TV, PC)
3	PR [up] - channel select
4	Volume - adjust volume (sound) level
5	Menu - display main menu
6	Normal - recall preferred settings (Normal I, II, Favourite)
7	Sleep - set the Sleep Timer
8	OK - select menu items
9	Numerical buttons to select channels
10	Display - show the current program
11	Mute - disable and enable sound



NB: The PR and numerical buttons can be used to switch the TV on (9).

## Inserting batteries into the Remote Control unit

To load the batteries turn the remote control handset over and open the battery compartment. Insert the batteries (2x 1.5v type R03 or AAA). Make sure that the polarity matches with the (+) and (-) marks inside of the battery compartment.

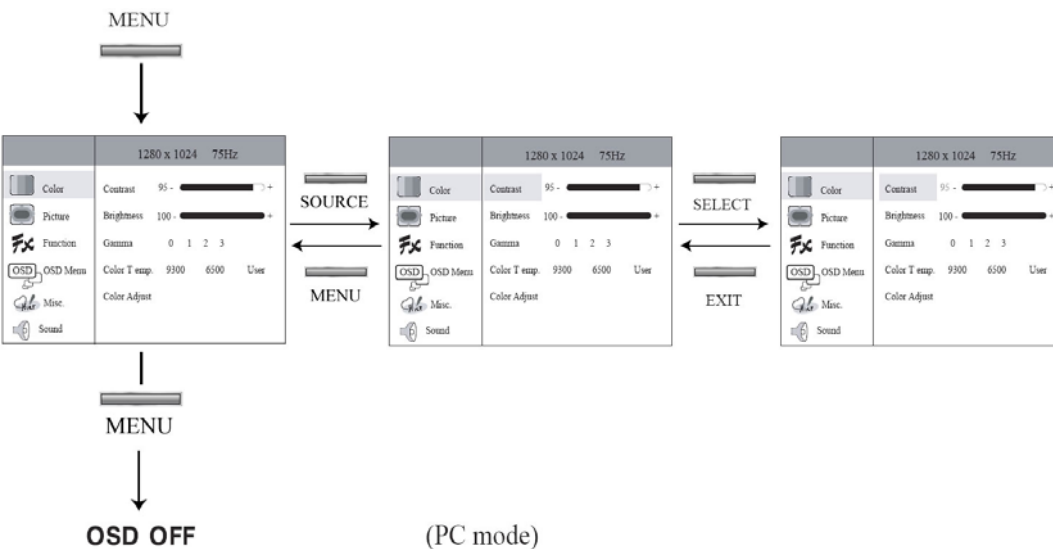
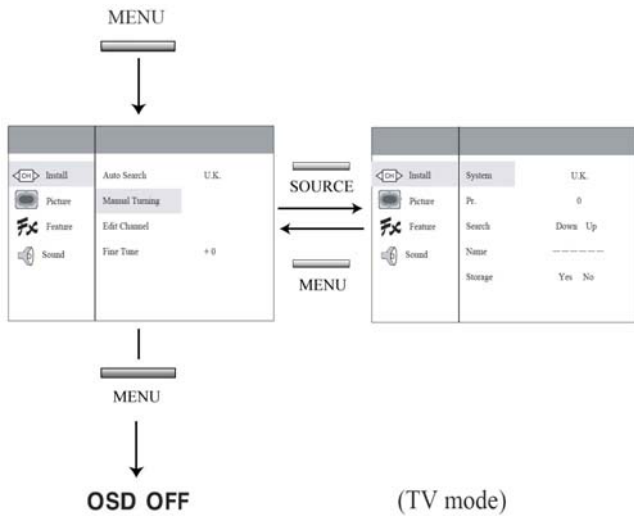
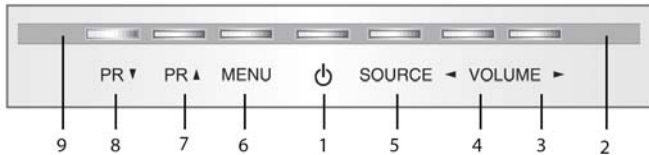
Note: To avoid damage from possible battery leakage, remove the batteries if you do not plan to use the remote control handset for an extended period of time.

# Preparation

## Operation & Adjustment (Front Control Panel)

1	Power on / off	Switches the LCD TV on and off (Standby mode)
2	Power indicator light	Shows <b>Green</b> LED when in use
3	Volume adjust	Adjusts volume <b>up</b> and after pressing MENU, adjusts menu settings
4	Volume adjust	Adjusts volume <b>down</b> and after pressing MENU, adjusts menu settings
5	Source	Selects input source and after pressing MENU sets menu functions
6	Menu	Turns the OSD window on / Turns the OSD window off - and moves from <b>sub menu to top menu</b> in the OSD window to adjust picture features (use Remote controller) for installation and functions
7	PR[down]	Selects programme or menu
8	PR[up]	Selects programme or menu
9	Sensor window	Remote control. Receives signal from the Remote controller

## FRONT CONTROL PANEL



## Key Process

- To select MENU press the MENU button.
- Use up- down-PR (VOL buttons) to select the main menu on the left.
- Use SOURCE button to select the sub-menus on the right.
- Use VOL buttons to select sub-menu function.
- Press SOURCE button, then using VOL buttons you can make adjustments as necessary.
- To exit press MENU.

# Preparation

## Connecting external equipment

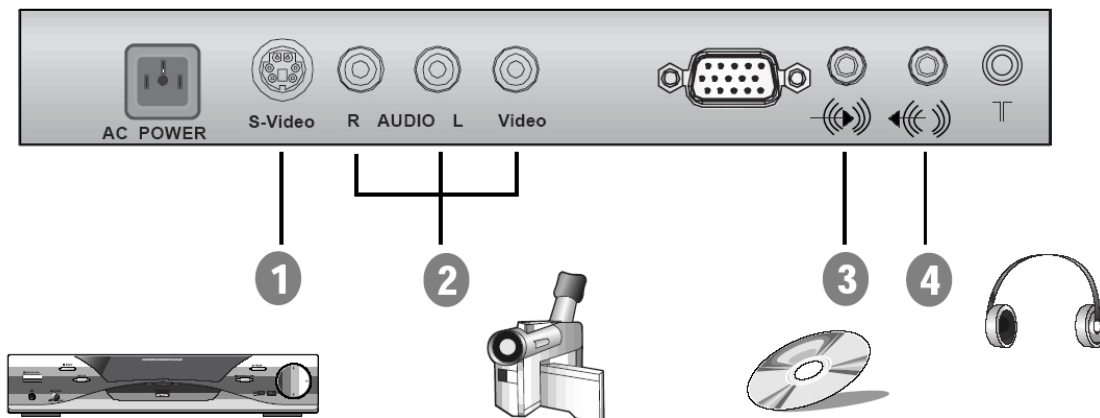
Plug the connector for S-Video port [1] on the rear of the LCD TV and the other end into the device you are intending to connect (VCR, DVD etc.)

Plug the Phono connectors for the Composite video / Sound inputs to the RCA ports [2] on the rear of the LCD TV and the other end to a Camcorder, VCR, DVD etc.

Note: If you only have a Scart socket on your VCR or DVD then you will need to use the Scart-to-Phono connector (supplied).

Plug the connector to the audio input port [3] on the rear of the LCD TV and the other end to the PC, CD Player etc.).

Plug the connector to the audio output port [4] on the rear of the LCD TV and the other end to the Headphones or an audio Amplifier with speakers.



## How to watch DVD or VCR

- 1. Turn on the LCD TV Monitor**
- 2. Choose S-Video or Video dependant on the connection to the DVD player using the Remote controller SOURCE button**
- 3. Put a tape of DVD into the VCR or DVD player and Play**

# Start Up

## Menu Installation

Key Process for TV mode

Press the MENU button on the Remote controller.

This will bring up the OSD.

Here, with INSTALL highlighted, you can make the changes necessary to configure the TV options available such as searching for channels, tuning channels, naming channels and editing those channels.

The four directional arrows on the Remote will navigate the OSD. When making changes, a right-arrow movement will select it (changing it to RED) and subsequent right-arrow depressions will move through the available options in that range.

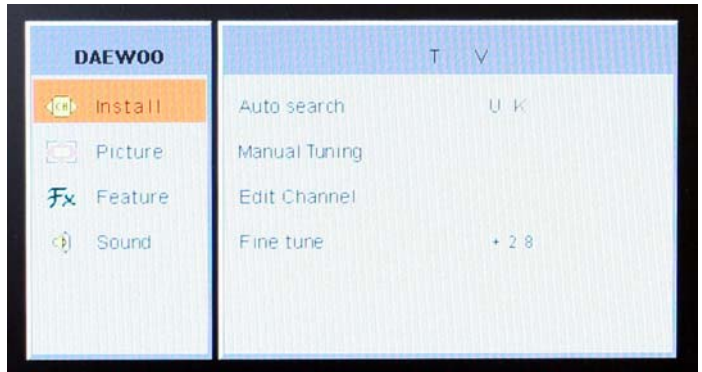
Press MENU to confirm the change (the selection will change back to BLACK) and then press Menu again to advance the OSD backward to the main menu (and again to close the Menu altogether).

AUTO SEARCH allows you to select the country from where you are receiving transmissions and then search for channels in your area.

After selecting MENU press the right-arrow button (VOL+) to highlight Auto search and then again to highlight the country code (this will change the country code to RED). Press the right-arrow button to select your country code.

Now press the OK button to commence channel searching (see pic).

When this function has been completed all the channels found will be available, but not in the correct order and will not be named. This has to be conducted in the Edit Channel selection (see next page).



OK button



## Menu Installation

Key Process for TV mode

### Edit Channel

To attach the names to each channel number and put them in the correct order, conduct the following procedure:-

Press the MENU button and then press arrow-right (VOL+) once and then the down-PR button to select EDIT CHANNEL. Now press the OK button to bring up the edit screen (see pic).

You will note that there are no channel names in the Edit list only programme numbers. To put names and numbers in the correct order, do the following:

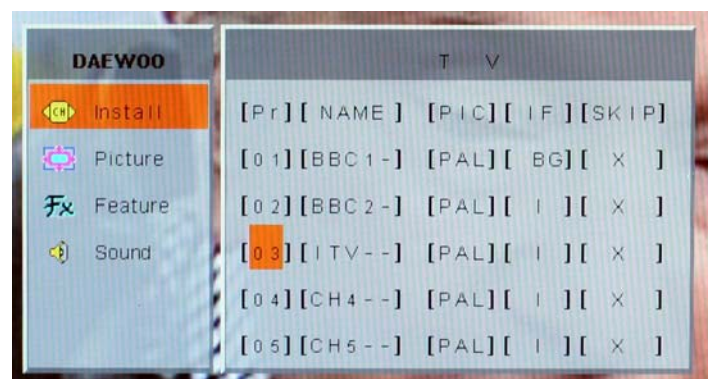
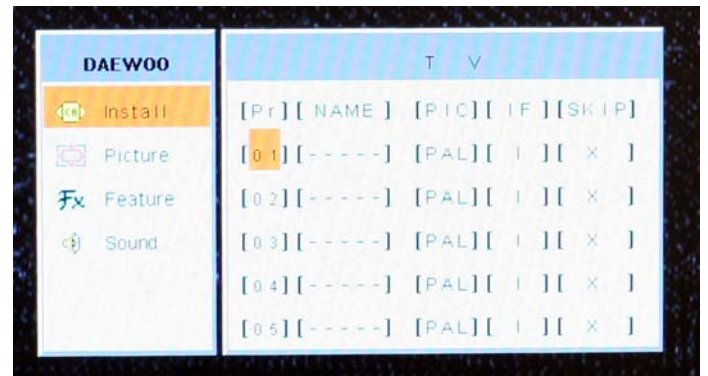
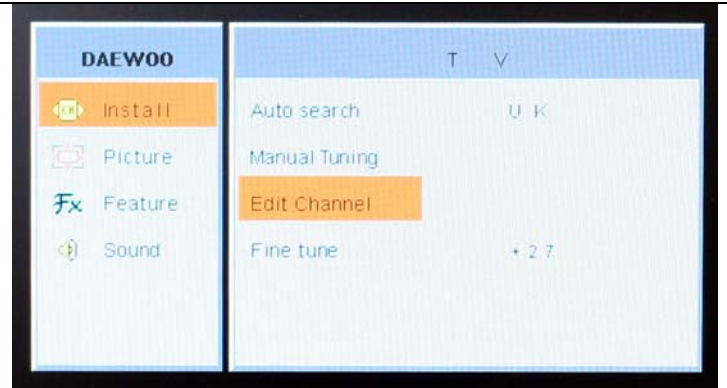
1. select Pr 01 and right-arrow (VOL+)
2. press OK
3. press up- or –down PR – to select letter or number
4. press VOL+ to select next dash
5. repeat process until name is completed
6. press OK button to store

From this position, once all available channels have been named they can be sorted into the correct order.

1. press left-arrow (VOL-) and select the channel you wish to be number one using up- down-PR buttons, example: BBC1 should be in position Pr 01
2. press OK. The number will turn green
3. press up-PR button to select Pr number 01 to match the channel
4. press OK to store. The number will turn black
5. press down-PR button to select channel you wish to be number two
6. press OK. The number will turn green
7. press up-PR button to select Pr number 02 to match the channel
8. press OK. The number will turn black
9. repeat process on all other Pr numbers

Continue this process with all other programme numbers until they are in their correct order (see pic).

Found channels that are not required can be skipped [SKIP] when selecting your channels via the up- or down-PR buttons. This is achieved by selecting the SKIP column in the Edit channel mode with right-arrow (VOL+) button. Then press the OK button and the X will change to RED. Change this to O with the down-PR button and then press the OK button to store it (changing it to BLACK). To unskip a channel reverse the above process.



## Menu Installation

Key Process for TV mode

### Manual Tuning

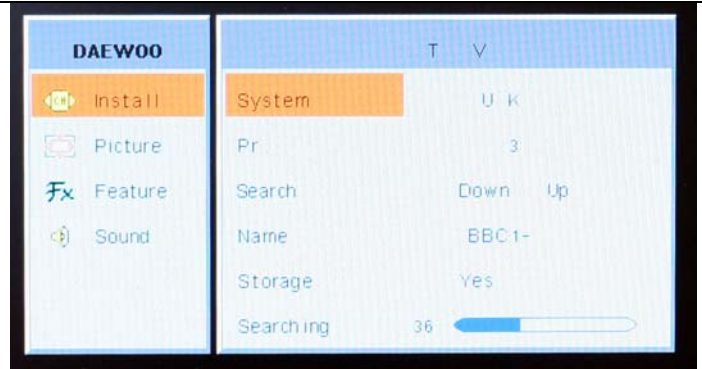
To select manual tuning, press MENU, then VOL+, then down-PR, then OK.

At this position set the SYSTEM to match country you are in.

1. press right-hand (VOL+), the Country will change RED, then again to select correct Country
2. press MENU to set
3. now, press down-PR and VOL+ to select programme numbers (PR, see pic)
4. press up- or down-PR to change programme number
5. press MENU (or OK) to set
6. press down-PR to select SEARCH
7. press VOL+ or VOL- to select DOWN or UP
8. press OK to search

If the channel found matches the programme number, press MENU to set. If not, press the OK button to search again.

9. press down-PR to select name
10. press VOL+ to select first 'dash'
11. press up- or down-PR to select letter or number
12. press VOL+ to select next 'dash'
13. press up- or down-PR to select next letter or number
14. repeat until name completed
15. press MENU to set
16. press down-PR to STORAGE
17. press VOL+ and YES will change to RED
18. press OK to store



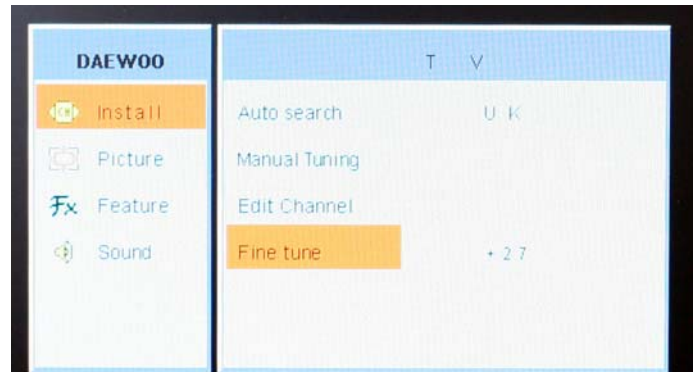
## Menu Installation

Key Process for TV mode

### Fine tune

With the Preset channel running in the background, the signal can be fine-tuned. The detection process is however, accurate, but additional fine-tuning may improve the signal to your specific requirements depending on quality of the signal received.

The default Fine-tune point is 0 so if adjusting this does not positively affect your TV signal, return it to 0 to effectively restore the original detection.



Press the MENU button on the Remote controller.

This will bring up the OSD.

PICTURE adjusts the Contrast, Brightness, Colour and Sharpness of the picture.

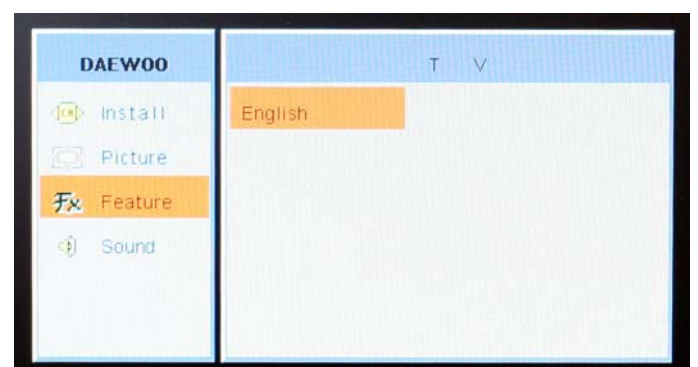
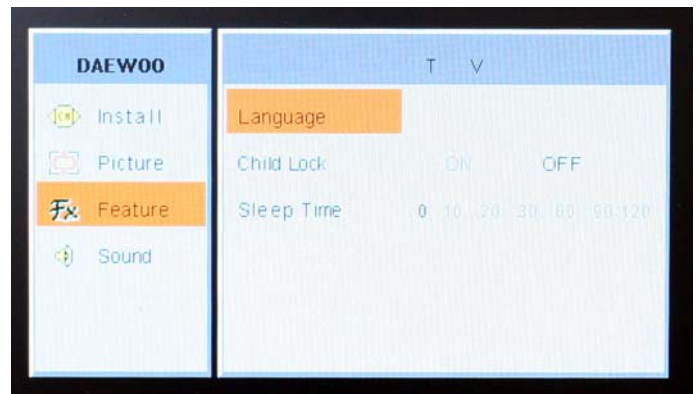
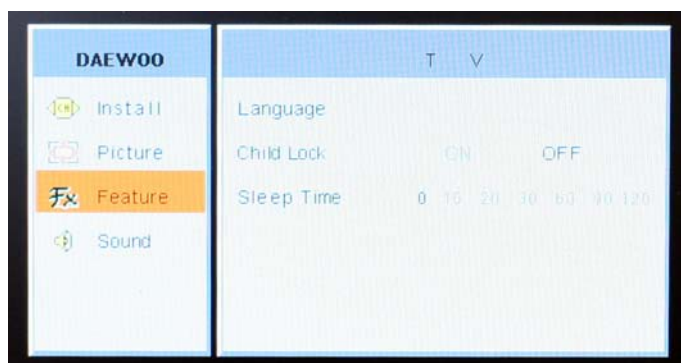
Tip: If you are receiving a clean TV signal, reduce Sharpness to 0.



Press the MENU button on the Remote controller.

This will bring up the OSD.

FEATURE selects the Language, Child Lock can be set on or off and the Sleep Time[r] can be adjusted from 0 to 120 minutes.





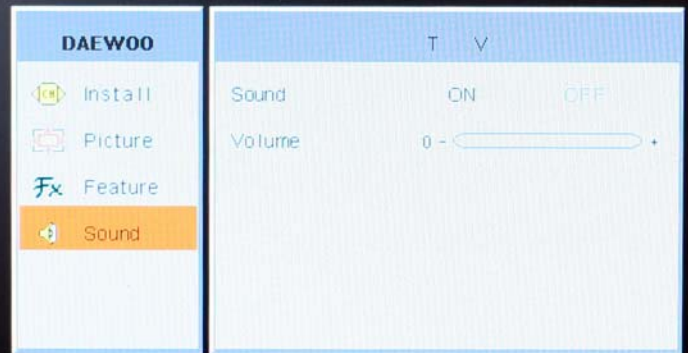
## Menu Installation

Key Process for TV mode

Press the MENU button on the Remote controller.

This will bring up the OSD.

SOUND can be turned on and off and the Volume can be adjusted.



## Menu installation

Key Process for PC mode

Press the MENU button on the Remote controller.

This will bring up the OSD.

COLOUR configures the PC display to suite your requirements.

GAMMA reflects the level of white against black and COLOUR TEMP is dependant on the amount of RGB (Red Green, Blue).

9300 is BLUE orientated, 6550 is RED orientated and USER is dependant on colour adjustment (but defaults to GREEN).

Colour Adjust gives you the option of manually adjusting the RGB values.

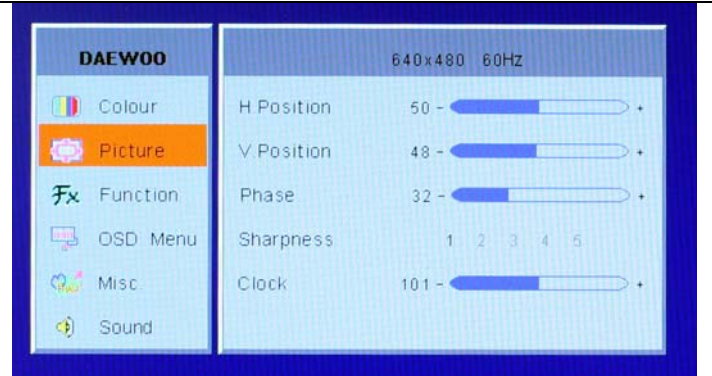


Press the MENU button on the Remote controller.

This will bring up the OSD.

PICTURE adjustments can be made to certain resolutions that are not correctly aligned to the display.

In most cases, a H Position, V Position of 50 and a Phase of 0 together with a Clock of 100, will fit to most requirements. Sharpness can be adjusted as well, but a value of 1 is normal for PC desktop useage.



Press the MENU button on the Remote controller.

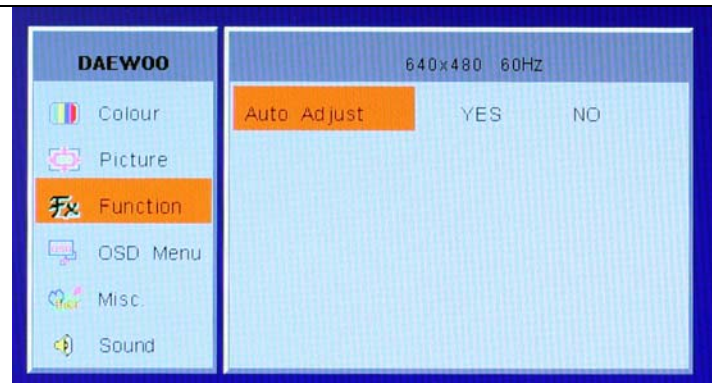
This will bring up the OSD.

AUTO ADJUST is a useful feature to correct H Position and V Position manual values quickly and easily.

To achieve this, right-arrow so that NO is highlighted in RED, then left-arrow so that YES is now highlighted in RED.

As soon as you do this, Auto Adjust will take effect. Do not press OK or MENU. After a few seconds, YES will turn BLACK.

Auto Adjust has now completed.



## Menu installation

### Key Process for PC mode

Press the MENU button on the Remote controller.

This will bring up the OSD.

OSD MENU has a LANGUAGE OSD setting. Once highlighted, press OK. A selection of Languages are selectable: English, French, Dutch, Spain, Italian and Korean.

OSD H POS and OSD V POS re-positions the OSD on the LCD display.

OSD TIMER when ON, turns of the OSD in 15 seconds of inactivity. In an OFF state, the OSD will remain until the MENU button is pressed (more than once if necessary).

TRANSLUCENT changes the level of transparency of the OSD to the background.



Press the MENU button on the Remote controller.

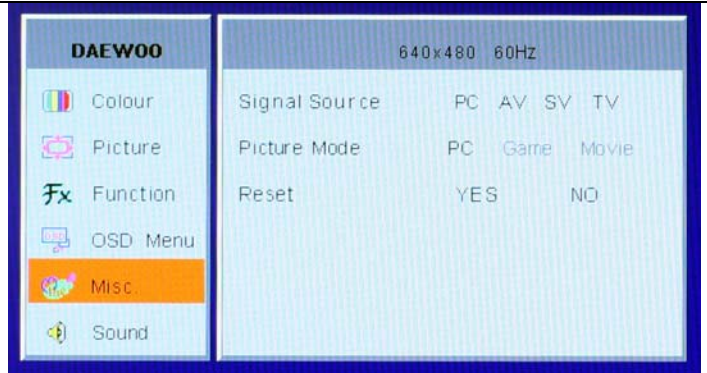
This will bring up the OSD.

MISC. has a SIGNAL SOURCE setting which gives you the control to set the default Signal Source on power-up (press the MENU).

PICTURE MODE provides three settings: PC, GAME, MOVIE; each one adjusts the display to suite whatever type of mode the LCD monitor is being used for.

RESET restores the factory default settings. Arrow-right (NO will be highlighted RED). Arrow-left, YES will be highlighted RED. Press OK.

The screen will go blank and then reset. NO SIGNAL will appear and then if a PC connection is still present, it will return with default settings in a few seconds.

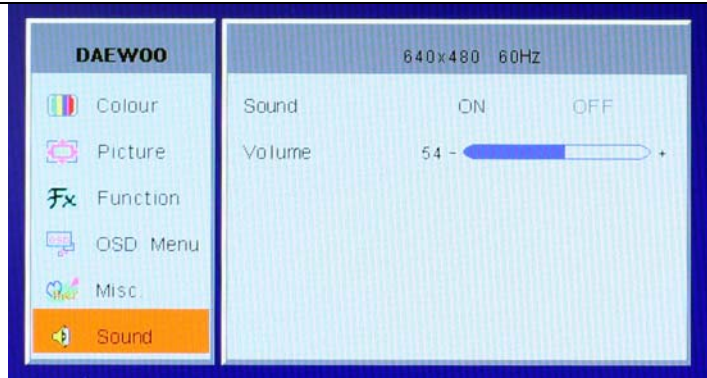


Press the MENU button on the Remote controller.

This will bring up the OSD.

SOUND on and Sound off enables or disables the inbuilt speakers on the LCD monitor.

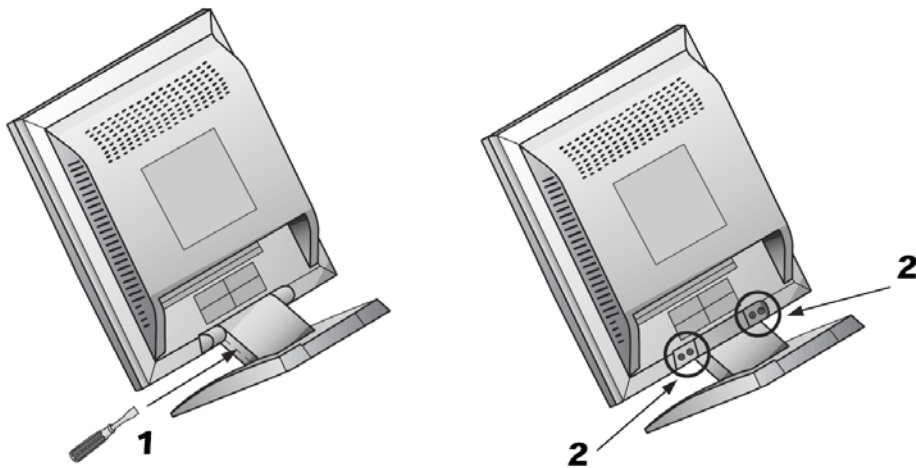
VOLUME adjusts the sound (whether enabled or disabled).



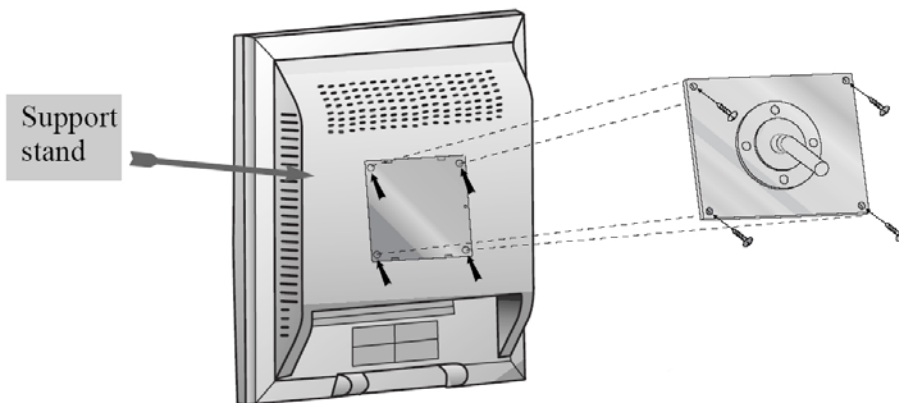
# Preparation

## Attaching a Wall or Arm mounting device

1. Turn off the monitor and pull out the power cable.
2. Place the product on top of a soft cloth or other smooth material on the floor and move the LCD TV to a 'face-down' position making sure it is flat and balanced.



3. Detach the rear cover of the stand with a screwdriver.
4. Remove the four screws connecting the stand and the body.
5. The stand is now disassembled.



Hole spacing: 100 x 100mm  
Screw length: 8~12mm

This LCD TV's installation surface is compatible with various VESA standard stands.

# Troubleshooting

Symptom	Check
No TV / Video displayed	Check TV/Video Mode has been set using the SOURCE button. Check Video cable terminal is connected
Unclear TV display	Check connection status of TV cable, exterior Antenna and adjust FINE TUNING from TV OSD menu if necessary
No TV signal	Auto Search from TV OSD menu and set Edit channel or search channels manually with MANUAL SET ON from TV OSD menu
Remote Controller not functioning	Check batteries are correctly inserted [+] and [-] polarity Check battery power status
No Video or S-Video mode	Check Video cable is connected to the TV and set to Video mode or S-Video mode
Poor colour in Video	Adjust Saturation on the OSD menu in PICTURE mode
Blurred picture in Video	Adjust Sharpness in the OSD menu in PICTURE mode
Picture jitter (PC mode)	Adjust clock to set the screen position and adjust until no noise is detected in the OSD Menu in PICTURE MODE
No picture (PC mode)	Check mains switch and the PC power switch are ON
Power LED not lit (PC mode)	Check main switch is ON. Check if the power cord is connected
Image is unstable (PC mode)	Check signal cable is connected to video card correctly
Image not centred, too small or too large (PC mode)	Adjust clock or H&V Centre
Picture bounce or wave pattern (PC mode)	Magnetic interference from electrical devices are too close to the monitor
Picture is blurred (PC mode)	Adjust contrast and brightness
No sound (PC mode)	Check audio cable is connected correctly. Adjust volume. Check audio system on PC
Low sound (PC mode)	Adjust the volume on the OSD Menu or adjust the volume on the sound card of the PC

## Self Diagnosis (PC mode)

If there is no image, the Self Diagnosis screen will be displayed.

The Self Diagnosis function checks the status of the LCD TV screen under certain conditions.



No Signal screen is displayed when the D-Sub signal connector is connected but the status of the LCD TV is on DPMS mode.

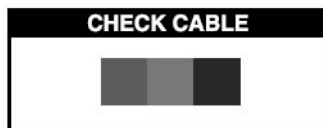


Out of Range screen is displayed when the applied frequency is under or over normal range.

- Normal range  
(Non-interlaced mode only)  
H : 30 - 80 KHz  
V : 56 - 77 Hz



None support screen is displayed when the applied frequency is under or over factory preset timings.



Check cable screen is displayed when the signal cable is disconnected.

# Specifications

MODEL NAME	L710T LCD Television	/ DETAIL
PANEL	17"	
SCREEN SIZE	337.9 x 270.3mm	
DISPLAY COLOUR	16.2M	
CONTRAST RATIO	400:1	250cd/m <sup>2</sup> Brightness
PIXEL PITCH	0.264	
ASPECT RATIO	4:3	
RESOLUTION	1280 x 1024	@ 60Hz / 75Hz
NUMBER OF PIXELS	1,310,720 pixels	
VIDEO BANDWIDTH	140MHz	
COLOUR FILTER	RGB	Vertical Stripe
VIEWING ANGLE	70 degrees 60 degrees	Right / Left Up / Down
TILT RANGE	5 degrees 30 degrees	Forward Backward
SOUND OUTPUT	2W + 2W	
PLUG & PLAY	VESA DDC Compatible	
SYNCHRONIZATION	30 – 80KHz 56 – 77KHz	Horizontal Vertical
APPEARANCE (mm)	386 x 398 x 190mm 386 x 346 x 60mm	[with stand] [without stand]
WEIGHT	Net 5.3kg	Gross 7kg
POWER CONSUMPTION	40W	
POWER REQUIREMENT	AC 100V-240V ~ 50/60Hz	
POWER SAVING	EPA, VESA DPMS	Nutek Compliant
DC POWER	DC 12V	
TERMINALS	PC Input Signal: Sync H/V Separate (TTL) Video 15pin mini D-Sub (Analogue RGB) AV Input Signal: Video CVBS (RCA), S-Video (mini-DIN) Audio Stereo mini-Jack Input / Output	
TV SIGNAL TYPE	PAL	

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