



PLASMA TV OWNER'S MANUAL

Please read this manual carefully before operating your set.
Retain it for future reference.
Record model number and serial number of the set.
See the label attached on the back cover and quote this information to your dealer when you require service.

Model number :
Serial number :

P/NO : 3828VA0505A (AF046A, 116X TX, 026H) ©

Safety Instructions

- Use the set at the place lower than the altitude of 6562 feet (2000m) to get the best quality of picture and sound.

WARNING

Do not place the set in direct sunlight or near heat sources such as heat registers, stove and so on.

- This may cause a fire.

Do not use the set in damp place such as a bathroom or any place where it is likely to get wet.

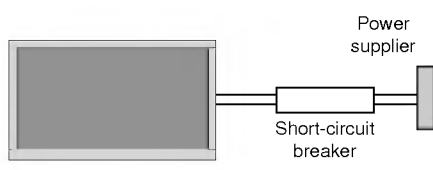
- This may cause a fire or could give an electric shock.

Bend antenna cable between inside and outside building to prevent rain from flowing in.

- This may cause water damaged inside the set and could give an electric shock.

Earth wire should be connected.

- If the earth wire is not connected, there is possible a danger of electric shock caused by the current leakage.
- If grounding methods are not possible, a separate circuit breaker should be employed and installed by a qualified electrician.



- Do not connect ground to telephone wires, lightning rods or gas pipe.

Do not place anything containing liquid on top of the set.

- This may cause a fire or could give an electric shock.

Do not insert any object into the exhaust vent.

- This may cause a fire or could give an electric shock.

Do not place heavy objects on the set.

- This may cause serious injury to a child or adult.

Do not use water while cleaning the set.

- This may cause damaged the set or could give an electric shock.

In case of smoke or strange smell from the set, switch it off ,unplug it from the wall outlet and contact your dealer or service center.

- This may cause a fire or could give an electric shock.

Do not attempt to service the set yourself. Contact your dealer or service center.

- This may cause damaged the set or could give an electric shock.

During a lightning thunder, unplug the set from the wall outlet and don't touch an antenna cable.

- This may cause damaged the set or could give an electric shock.

* Safety instructions have two kinds of information, and each meaning of it is as below.

⚠ WARNING The violation of this instruction may cause serious injuries and even death.

⚠ NOTES The violation of this instruction may cause light injuries or damage of the product.

⚠ Take care of danger that may happen under specific condition.

⚠ NOTES

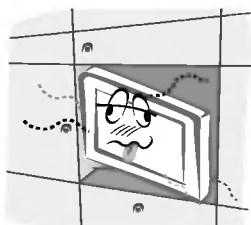
Never touch the power plug with a wet hand.

- This may cause an electric shock.

Disconnect from the mains and remove all connections before moving.

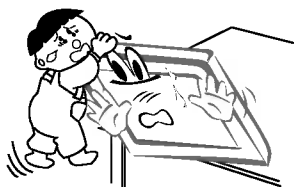
Do not place the set in a built-in installation such as a bookcase or rack.

- Ventilation required.



When installing the set on a table, be careful not to place the edge of its stand.

- This may cause the set to fall, causing serious injury to a child or adult, and serious damage to the set.



Do not place an outside antenna in the vicinity of overhead power lines or other electric light or power circuits.

- This may cause an electric shock.

There should be enough distance between an outside antenna and power lines to keep the former from touching the latter even when the antenna falls.

- This may cause an electric shock.

Do not pull the cord but the plug when unplugging.

- This may cause a fire.

Ensure the power cord doesn't trail across any hot objects like a heater.

- This may cause a fire or an electric shock.

Do not plug when the power cord or the plug is damaged or the connecting part of the power outlet is loose.

- This may cause a fire or an electric shock.

Dispose of used batteries carefully to protect a child from eating them.

- In case that it eats them, take it to see a doctor immediately.

When moving the set assembled with speakers do not carry holding the speakers.

- This may cause the set to fall, causing serious injury to a child or adult, and serious damage to the Monitor.

Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners.

- This may cause damaged the set or could give an electric shock.

Contact the service center once a year to clean the internal part of the set.

- Accumulated dust can cause mechanical failure.

The distance between eyes and the screen should be about 5 ~ 7 times as long as diagonal length of the screen.

- If not, eyes will strain.

Unplug the set from the wall outlet when it is left unattended and unused for long periods of time.

- Accumulated dust may cause a fire or an electric shock from deterioration or electric leakage.

Contents

Safety Warnings	
Safety Instructions	2~3
Introduction	
Remote Control Key Functions	6
Location and Function of Controls	7~8
Installation	
External Equipment Viewing Setups	9~13
Accessories	14
Installation Options	15
Operation	
Turning on the Set	16
Programme selection	16
Volume adjustment	16
Mute function	16
Channel Menu Options	
Auto Programme Tuning	17
Manual Programme Tuning (In Analogue mode only)	17
Assigning a station name (In Analogue mode only)	18
Booster	18
Fine tuning (In Analogue mode only)	18
Digital signal strength (In Digital mode only)	18
LED DISPLAY adjustment	18
Programme Edit	19
Calling the Programme Table	19
Picture Menu Options	
PSM (Picture Status Memory)	20
Picture adjustment	20
Adjusting Auto Colour Control	20
XD	21
Video preset	21
Audio Menu Options	
SSM (Sound Status Memory)	22
AVL (Auto Volume Leveler)	22
Adjusting Sound Control	22
Front surround	22
Speaker adjustment	23
BBE	23
Sound output selection (In Analogue mode only)	23
Stereo reception (In Analogue mode only)	23
Time Menu Options	
Auto clock setup	24
Manual clock setup	24
Setting the On/Off time	24
Sleep timer	25
Auto sleep	25
Special Menu Options	
Main Picture Source Selection	26
Subtitle (In Digital mode only)	26
Child Lock	27
Picture format	27
Cinema	27
Demo	28
ISM (Image Sticking Minimization) Method	28
Low Power	28
Lock Menu Options	
Lock setup	29
PIP (Picture-In-Picture) / POP / Twin Picture	
On and off	30
Input mode selection for sub picture	30
Sub picture position change	30
Programme selection for sub picture	30
Swapping between main and sub picture	30
Adjusting main and sub picture sizes for Twin Picture	30
POP (Picture-out-of-Picture: Channel Scan)	30
Teletext (option)	
Switch on/off	31
SIMPLE Text (option)	31
TOP Text (option)	31
FASTEXT	32
Special Teletext Functions	32
Miscellaneous	
EPG (Electronic Programme Guide) (In Digital mode only)	33
IR Code (NEC format)	34~35
Troubleshooting Checklist	38
Product Specifications	39

After reading this manual, keep it in the place where the user can always contact easily.



DVB is a registered trademark of the DVB Project

Introduction

What is a Plasma Display ?

If voltage is inputted to gas in glass panels, ultraviolet rays is outputted and fused with a fluorescent substance. At this moment, light is emitted. A Plasma Display is a next generation flat Display using this phenomenon.

160° - Wide angle range of vision

A Plasma Display provides more than 160° angle range of vision so that you can get a picture without distortion from any direction.

Easy installation

A Plasma Display is much lighter and smaller than other same class products so that you can install the Plasma Display at the desired place.

Big screen

The screen of a Plasma Display is 42", 50" or 60" so that you can get vivid experience as if you are in a theater.

Multimedia Plasma Display

A Plasma Display can be connected with a computer so that you can use it as a screen for conference, game, internet and so on.

The explanation about coloured dots may be present on PDP screen

The PDP which is the display device of this product is composed of 0.9 to 2.2 million cells and a few cell defects can occur in the manufacture of the PDP. Several coloured dots visible on the screen would be acceptable, in line with other PDP manufacturers and would not mean that the PDP is faulty. We hope you will understand that the product which corresponds to this standard is regarded as acceptable. It means that it could not be changed or refunded. We promise that we'll do our best to develop our technology to minimize the cell defects.

The explanation about noise of PDP

In the same way that a fan is used in a PC to keep the CPU cool, the PDP is equipped with cooling fans to improve the reliability of this product. Therefore, a certain level of noise could occur when the fan is operated. This noise doesn't have any negative effect on its efficiency and liability and it's also determined to have no difficulty while using this product. The noise from the fans is normal in the operation of this product. We hope you will understand that a certain level of noise is acceptable. It means that it is not changeable nor refundable.

TO AVOID BURNING IMAGE INTO THE DISPLAY, DO NOT HAVE A STILL IMAGE ON SCREEN FOR EXTENDED PERIOD OF TIME. IMAGE AFTER BURN WILL NOT BE COVERED UNDER WARRANTY ie.Menus, Video games, Borders or LOGOS

WARNING

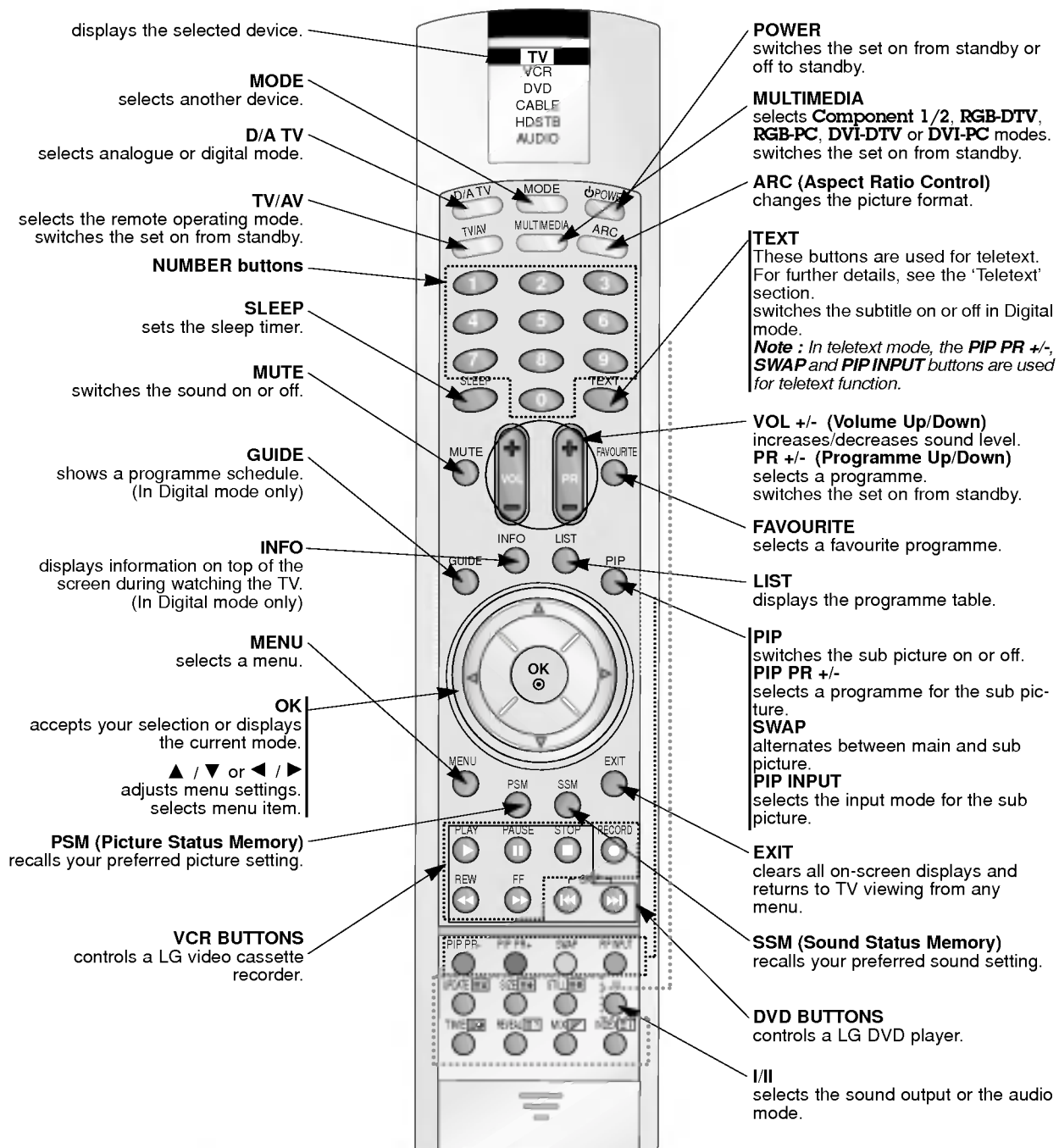
This is Class B product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

WARNING

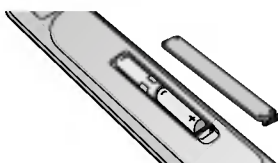
TO REDUCE THE RISK OF FIRE AND ELECTRIC SHOCK, DO NOT EXPOSE THIS PRODUCT TO RAIN OR MOISTURE.

Remote Control Key Functions

- When using the remote control aim it at the remote control sensor of the set.
- There's maybe a defect in consecutive operation of remote control in specified brightness according to this set feature.

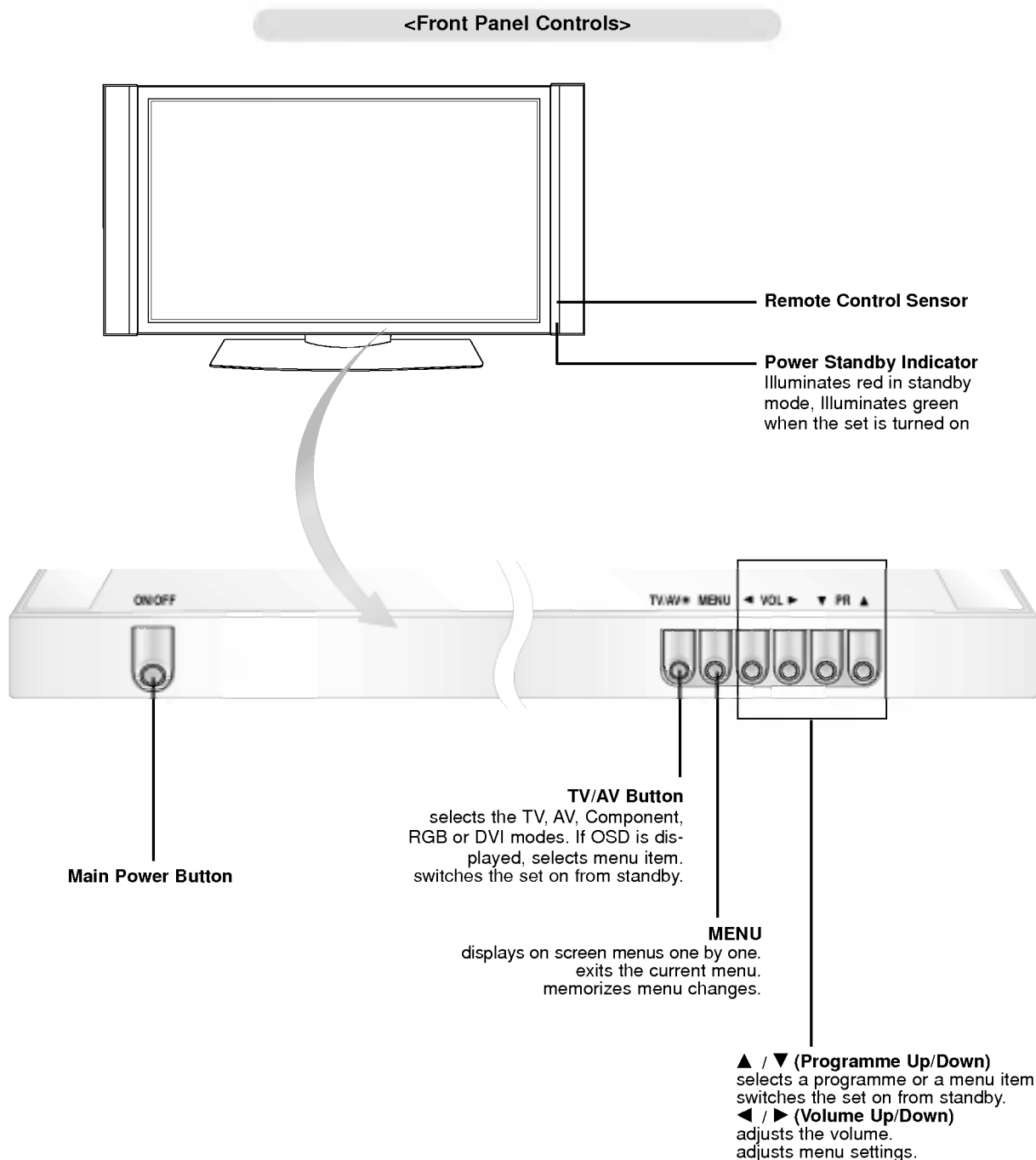


Installing Batteries



- Open the battery compartment cover on the back side and insert the batteries with correct polarity.
- Install two 1.5V alkaline batteries of AA type. Don't mix used batteries with new batteries.

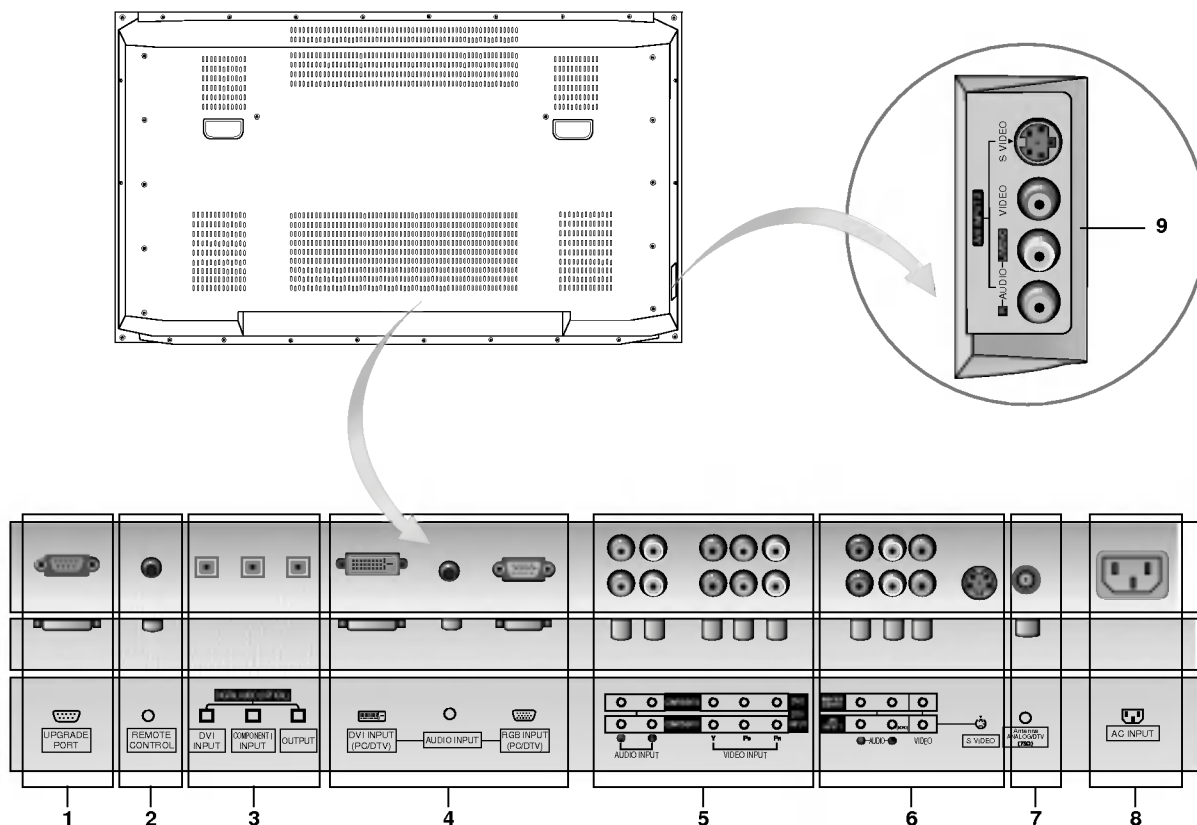
Location and Function of Controls



Location and Function of Controls

- Shown is a simplified representation of the set.
- Here shown may be somewhat different from your set.
- This manual explains the features available on the DT-50PY10 series.

<Back Panel>



1. UPGRADE PORT

This port is used to upgrade the software version and debug without changing the hardware.
Be careful not to use this port. Just contact your dealer or service centre.

2. CONTROL LOCK / REMOTE CONTROL

3. DVI INPUT/COMPONENT 1 INPUT/OUTPUT (DIGITAL AUDIO (OPTICAL))

Connect digital audio from various types of equipment.
Note: In standby mode, these ports will not work.

4. DVI INPUT / AUDIO INPUT / RGB INPUT (PC/DTV)

Connect the monitor output socket of the PERSONAL COMPUTER to this socket.

Note: If you want to use RGB/DVI audio, we strongly recommend that you use the cable that has a core, or the EMI Filter core along with separate cable.

5. COMPONENT INPUT

Connect DVD video outputs to Y, P_B, P_R of COMPONENT INPUT and audio outputs to Audio sockets of AUDIO INPUT.

6. AUDIO/VIDEO IN SOCKETS (A/V INPUT 1)

Connect the audio/video out sockets of external equipment to these sockets.

S-VIDEO/AUDIO IN SOCKETS

Connect the S-VIDEO out socket of the VCR to the **S-VIDEO** socket.

Connect the audio out sockets of the VCR to the audio sockets as in **A/V INPUT 1**.

AUDIO/VIDEO OUT SOCKETS (MONITOR OUTPUT)

7. ANTENNA INPUT

8. POWER CORD SOCKET

This Monitor operates on an AC power. The voltage is indicated on the Specifications page. Never attempt to operate the Monitor on DC power.

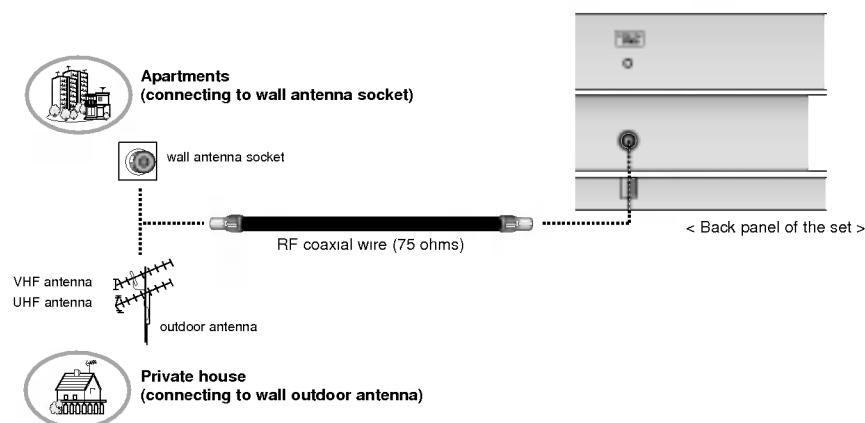
9. AUDIO/VIDEO IN SOCKETS (A/V INPUT 2)

S-VIDEO/AUDIO IN SOCKETS

External Equipment Viewing Setups

Antenna Connection

- Be careful for the bronze wire not to be bended in connecting to antenna input port.



Watching VCR

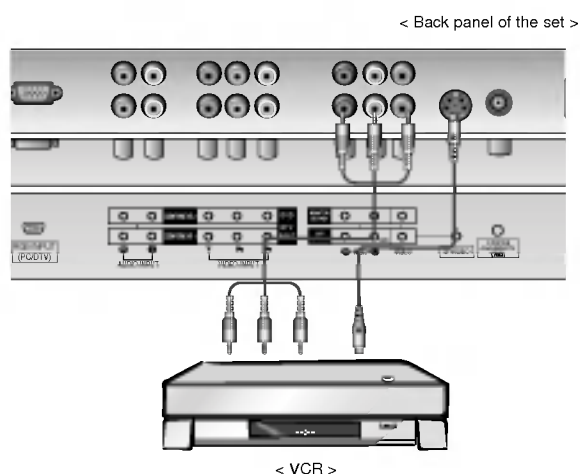
- When connecting the Monitor to external equipment, match the colours of connecting ports (Video - yellow, Audio (L) - white, Audio (R) - red).
- Connect the VIDEO OUTPUT socket (yellow) to the VIDEO INPUT on the set.
- If you have a mono VCR, connect the audio cable from the VCR to the AUDIO (L/MONO) input on the set.
- If you connect an S-VIDEO VCR to the S-VIDEO input, the picture quality is improved; compared to connecting a regular VCR to the Video input.
- Use the orbiter function to Avoid having a fixed image remain on the screen for a long period of time. Typically a frozen still picture from a VCR. (Refer to p. 28)
If a 4:3 picture format is used; the fixed image may remain visible on the screen.
- To avoid picture noise (interference), leave an adequate distance between the VCR and the set.

Watching TV programmes

- Turn the set on and select the programme you want.

Watching VCR

1. Use the **TV/AV** button on the remote control to select **VIDEO 1** or **VIDEO 2**.
- If both S-VIDEO and VIDEO sockets have been connected to the S-VHS VCR simultaneously, only the S-VIDEO can be received.
2. Insert a video tape into the VCR and press the **PLAY** button on the VCR.
(See VCR owner's manual)

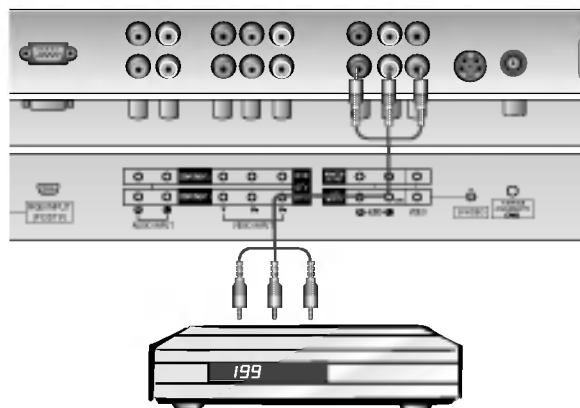


External Equipment Viewing Setups

Watching Cable TV

- After subscribing for a local cable TV station and installing a converter you can watch cable TV.
- For further information of cable TV, contact the local cable TV station.

< Back panel of the set >



< Cable box >

To watch cable TV

1. Use the **TV/AV** button on the remote control to select **VIDEO 1** or **VIDEO 2**.
2. Tune to cable service provided channels using the cable box.

Watching DVD

How to connect

1. Connect the DVD video outputs (Y, Pb, Pr) to the COMPONENT (Y, Pb, Pr) INPUT jacks on the set and connect the DVD audio outputs to the AUDIO INPUT jacks on the set, as shown in the figure.
2. If your DVD only has an S-Video output jack, connect this to the S-VIDEO input on the set and connect the DVD audio outputs to the AUDIO INPUT jacks on the set, as shown in the figure.

Note:

- a. If your DVD player does not have component video output, use S-Video.
- b. Digital Audio will not work for Component 2 input source. Digital Audio operation has priority if Digital Audio and AUDIO L/R are connected at the same time.

How to use

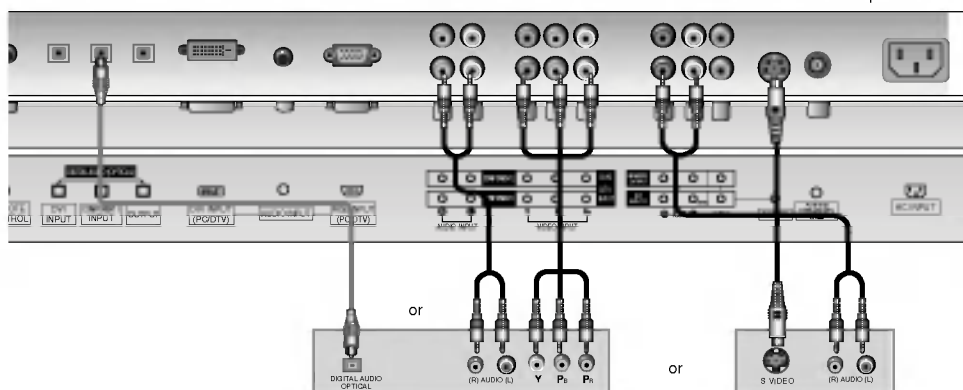
1. Turn on the DVD player, insert a DVD.
2. Use the **TV/AV** or **MULTIMEDIA** button on the remote control to select **Component 1** or **Component 2**.
(If connected to S-VIDEO, select the **VIDEO 1** or **VIDEO 2** external input source.)
3. Refer to the DVD player's manual for operating instructions.

• Component Input ports

You can get better picture quality if you connect DVD player with component input ports as below.

Component ports of the set	Y	Pb	Pr
Video output ports of DVD player	Y	Pb	Pr
	Y	B-Y	R-Y
	Y	Cb	Cr
	Y	Pb	Pr

< Back panel of the set >



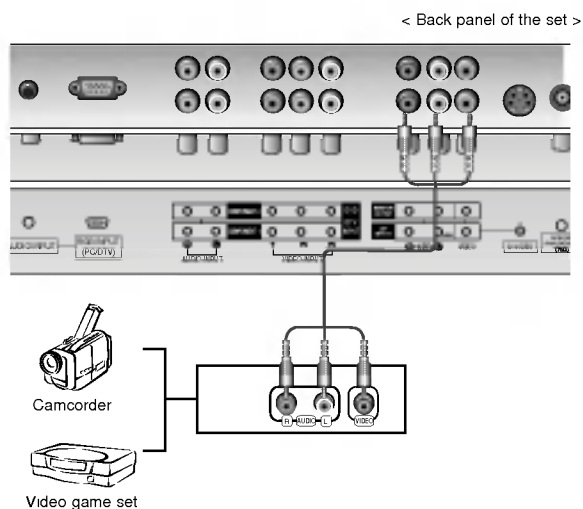
< DVD player >

Watching external AV source

- When connecting the set to an external source, match the colours of AUDIO/VIDEO input jacks on the set with the output jacks on the audio/video equipment: Video = yellow, Audio (Left) = white, Audio (Right) = red.

How to use

- Use the **TV/AV** button on the remote control to select **VIDEO 1** or **VIDEO 2**.
- Operate the corresponding external equipment.
See external equipment operating guide.



Watching DTV

- This set can receive Digital Over-the-air/Cable signals without an external digital set-top box. However, if you do receive Digital signals from a digital set-top box or other digital external device, refer to the figure as shown below.

How to connect

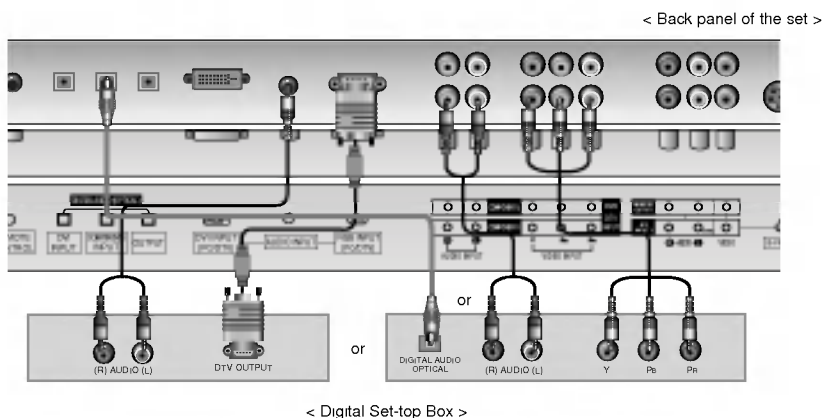
- Use the monitor's COMPONENT (Y, P_B, P_R) INPUT, RGB or DVI jack for video connections, depending on your set-top box connector. Then, make the corresponding audio connections.

How to use

- Turn on the digital set-top box. (Refer to the owner's manual for the digital set-top box.)
- Use **TV/AV** or **MULTIMEDIA** on the remote control to select **Component 1**, **Component 2**, **RGB-DTV** or **DVI-DTV**.

DTV Input signal

Mode	Terminal	Component	RGB	DVI
480i / 576i		o	x	x
480p / 576p		o	o	o
720p (50/60Hz)		o	o	o
1080i (50/60Hz)		o	o	o



External Equipment Viewing Setups

Connecting PC

How to connect

1. To get the best picture quality, adjust the PC graphics card to 1024x768, 60Hz.
2. Use the set's RGB INPUT or DVI (Digital Visual Interface) INPUT port for video connections, depending on your PC connector.
If the graphic card on the PC does not output RGB and DVI simultaneously, connect only one of either RGB INPUT or DVI INPUT to display the PC on the set.
3. Then, make the corresponding audio connections. If using a sound card, adjust the PC sound as required.

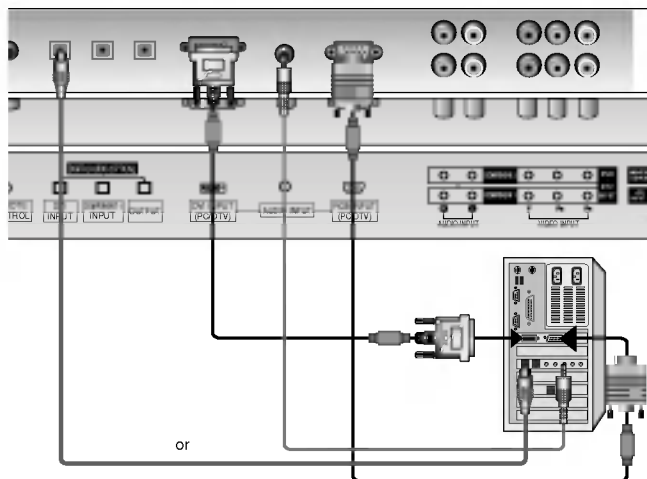
How to use

1. Turn on the PC and apply power to the set.
2. Press the **MENU** button and then **▲ / ▼** button to select the **SPECIAL** menu.
3. Press the **▶** button and then **▲ / ▼** button to select **Main input**.
4. Press the **▶** button and then **▲ / ▼** button to select **RGB-PC**, **RGB-DTV**, **DVI-PC** or **DVI-DTV**.
PC screen appears on the set.
The set can be operated as the PC monitor.
5. Check the image on your set. There may be noise associated with the resolution, vertical pattern, contrast or brightness in PC mode. If noise is present, change the PC mode to another resolution, change the refresh rate to another rate or adjust the brightness and contrast on the menu until the picture is clear. If the refresh rate of the PC graphic card can not be changed, change the PC graphic card or consult the manufacturer of the PC graphic card.

Note:

- a. Depending on the graphics card, DOS mode may not work if you use a DVI-D cable.
- b. Avoid keeping a fixed image on the TV's screen for a long period of time. The fixed image may become permanently imprinted on the screen.
- c. The synchronization input form for Horizontal and Vertical frequencies is separate.

< Back panel of the set >



Displayable Monitor Specification

RGB PC / DVI PC mode

Resolution	Horizontal Frequency(KHz)	Vertical Frequency(Hz)
640x350	31.468	70.09
640x480	31.469	59.94
	37.861	72.80
	37.500	75.00
800x600	35.156	56.25
	37.879	60.31
	48.077	72.18
	46.875	75.00
1024x768	48.363	60.00
	56.476	70.06
	60.023	75.02

Screen Adjustments

- This function works in the following mode:

Component 1, Component 2, RGB-PC, RGB-DTV or DVI-DTV

1. Press the **OK** button and then **▲ / ▼** button to select the desired picture item.
2. Press the **►** button and then **◀ / ▶** or **▲ / ▼** button to make appropriate adjustments.

Position

This function is to adjust picture to left/right and up/down as you prefer.

Phase & Clock (RGB-PC mode only)

This function allows you to remove any horizontal noise and clear or sharpen the image of characters.

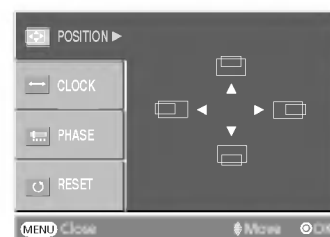
To correct the screen size, adjust **Clock**.

- The adjustment range of **Phase** is 0 ~ 31.
- The adjustment range of **Clock** is 0 ~ 32.

Note : Some signal from some graphics boards may not function properly. If the results are unsatisfactory, adjust your monitor's position, size and phase manually.

Reset

This function allows you to return to the good picture reproduction programmed at the factory and cannot be changed.

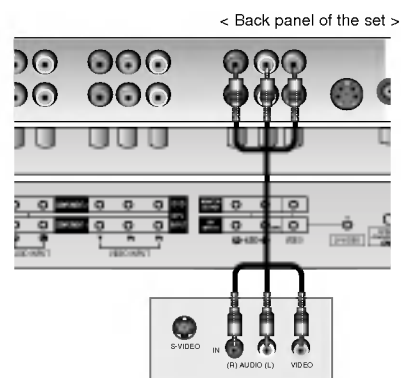


Monitor Out Setup

- The set has a special signal output capability which allows you to hook up a second TV or monitor.

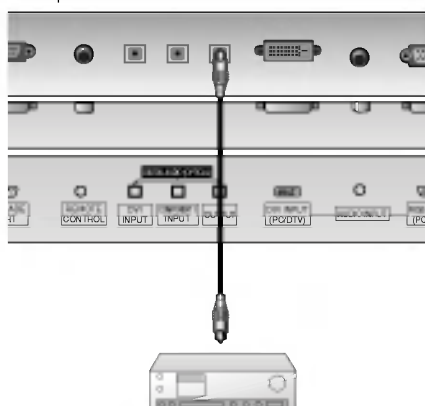
Connect the second TV or monitor to the set's MONITOR OUTPUT. See the Operating Manual of the second TV or monitor for further details regarding that device's input settings.

Note: DTV, Component, RGB-PC/RGB-DTV, DVI-PC/DVI-DTV input sources cannot be used for Monitor out.



Digital Audio Output

< Back panel of the set >



- Send the set's audio to external audio equipment (stereo system) via the Digital Audio Output (Optical) port.

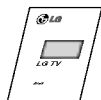
Caution: Do not look into the optical output port. Looking at the laser beam may damage your vision.

How to connect

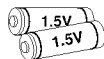
1. Connect one end of an optical cable to the TV Digital Audio (Optical) Output port.
2. Connect the other end of the optical cable to the digital audio (optical) input on the audio equipment.
3. Set the "**TV Speaker** option - **Off**" in the AUDIO menu. Refer to page 23.

See the external audio equipment instruction manual for operation.

Accessories



Owner's Manual



Alkaline batteries



Remote Control handset



Power Cord



2-TV bracket bolts
(or DT-50PY10 series: 4-TV
bracket bolts)
(Only DT-60PY10 series : 6-Wall
mounting bracket bolts)



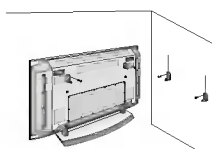
2-TV brackets
2-Wall brackets (option)



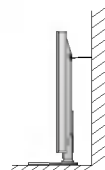
6-RING SPACER
(Only DT-60PY10 series)

Joining the TV assembly to the wall to protect the set tumbling

- Secure the TV assembly by joining it to a wall by using the TV/Wall brackets.



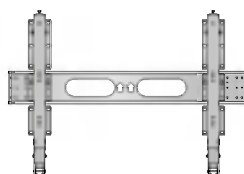
- After the set must be mounted on a desk top, install the TV brackets on the TV as shown. Insert the 2 bolts and tighten securely, in the holes on the bracket.
(Only DT-50PY10 series: After removing the existing bolts, insert the 4 bolts and tighten securely, in the holes on the bracket.)
Install the wall brackets on the wall with 4 bolts, (not supplied with the product), as shown. Match the height of the TV brackets and the wall brackets.
Check to be sure the brackets are tightened securely.



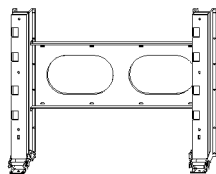
- Secure the TV assembly to the wall with strong strings or wound wire cables, (not supplied with the product), as shown.

Optional Extras

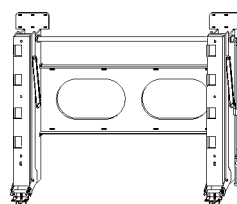
- Optional extras can be changed or modified for quality improvement without any notification new optional extras can be added.
- Contract your dealer for buying these items.



Tilt wall mounting bracket



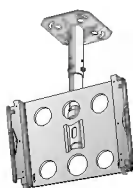
Wall mounting bracket
(Only DT-60PY10 series)



Tilt wall mounting bracket
(Only DT-60PY10 series)



Ceiling mounting bracket



Ceiling mounting bracket



Video cables

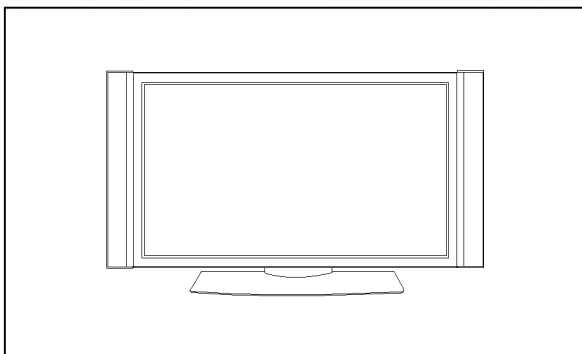


Audio cables

Installation Options

- The set can be installed in different ways such as on a wall, or on a desktop etc.

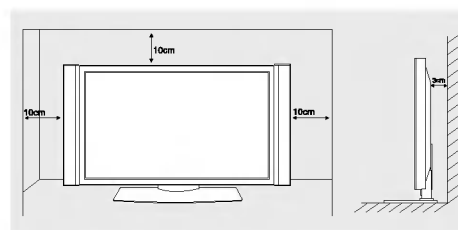
Desktop Pedestal Installation



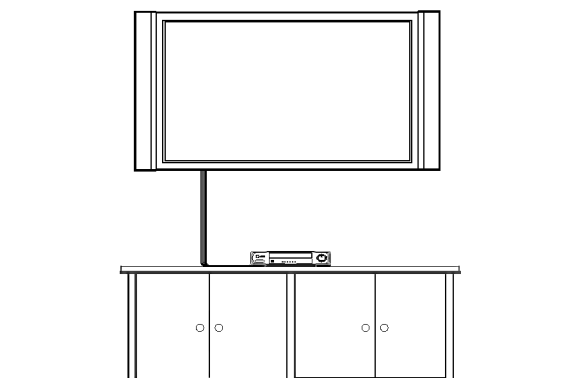
- The set can be mounted on a desk as shown above.

To Install on a Desktop

Pedestal mount minimum allowable clearances for adequate ventilation.



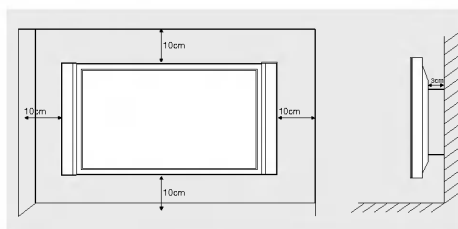
Wall Mount: Horizontal Installation



- The set can be installed on a wall as shown above. (For further information, refer to the optional 'Wall Mounting Bracket Installation and Setup Guide'.)

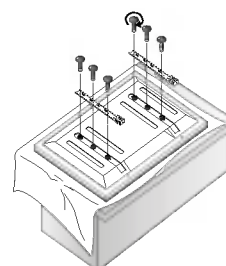
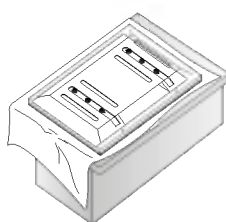
To Mount on a Wall

Wall mount minimum allowable clearances for adequate ventilation.



- Install the RING SPACER with the bolts on the set as shown.** (Only DT-60PY10 series)

- Put the RING SPACER in the holes of the bolts before connecting to the wall mounting bracket.
- When you connect the wall mounting bracket to the set, connect to it by using the bolts, (supplied with the product), as shown.



Turning on the Set

- When using the remote control, aim it at its sensor on the set.

Turning on the set just after installation

1. Connect power cord correctly.
2. Press the **ON/OFF** button on the set. At this moment, the set is switched to standby mode. Press the **TV/AV** or **PR ▲ / ▼** button on the set or press the **POWER**, **D/A TV**, **TV/AV**, **MULTIMEDIA**, **PR +/-** or **NUMBER** buttons on the remote control and then the set will switch on.

Turning on the set (power cord is still connected)

1. If the set was turned off with the **ON/OFF** button on the set
 - Press the **ON/OFF** button on the set to turn the set on.
2. If the set was turned off with the remote control and the **ON/OFF** button on the set
 - Press the **ON/OFF** button on the set and then press the **TV/AV** or **PR ▲ / ▼** button on the set or press the **POWER**, **D/A TV**, **TV/AV**, **MULTIMEDIA**, **PR +/-** or **NUMBER** button on the remote control to turn the set on.

Programme selection

You can select a programme number with the **PR +/-** or **NUMBER** buttons.

Volume adjustment

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

Mute function

Press the **MUTE** button. The sound is switched off and the display



appears.

You can cancel it by pressing the **MUTE**, **VOL +/-**, **SSM**, **I/II** button.

Channel Menu Options

Auto Programme Tuning

- Up to 100 TV stations can be stored in this set by programme numbers (0 to 99). Once you have preset the stations, you will be able to use the ▲ / ▼ or NUMBER buttons to scan the stations you programmed. Stations can be tuned using automatic or manual modes.
- In Digital mode up to 400 TV stations can be stored.

1. Press the **MENU** button and then ▲ / ▼ button to select the **SETUP** menu.
2. Press the ► button and then ▲ / ▼ button to select **Auto programme**.
3. Press the ► button to select **Storage from**. Select the beginning programme number with the ▲ / ▼ button or NUMBER buttons on the **Storage from** menu.
4. Press the ► button to select **To start**.
5. Press the ► button to begin auto programming.
All receivable stations are stored.

Option: In Australia, if no station name can be assigned to a station, the channel number is assigned and stored as ----- followed by a number see 'Assigning a station name' section to assign the station name.

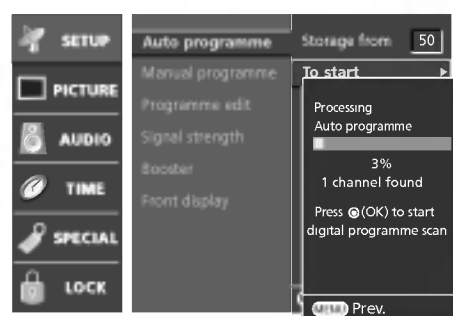
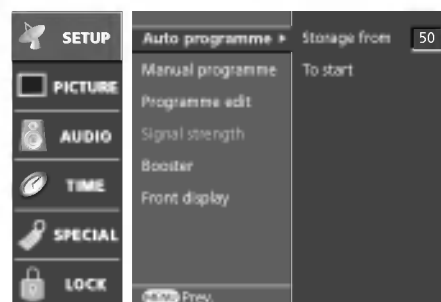
To stop auto programming, press the **MENU** button.

When auto programming is completed, the **Programme edit** menu appears on the screen. See the 'Programme Edit' section to edit the stored programme.

6. Repeatedly Press the **MENU** button to return to normal TV viewing.

Note :

- a. To begin auto programming or manual programming, input a 4-digit password in Lock system on. Be sure to remember this number!
- b. If you forgot your password, press '7', '7', '7', '7' on the remote control handset.



Manual Programme Tuning (In Analogue mode only)

- Manual programme lets you manually tune and arrange the stations in whatever order you desire. Also you can assign a station name with five characters to each programme number.

1. Press the **MENU** button and then ▲ / ▼ button to select the **SETUP** menu.
2. Press the ► button and then ▲ / ▼ button to select **Manual programme**.
3. Press the ► button to select **Band**. Press the ▲ / ▼ button to select **V/UHF** or **Cable** as required.
4. Press the ► button to select **Channel**. Select the desired channel number with the ▲ / ▼ button.
5. Press the ► button to select **Search**. Press the ▲ / ▼ button to commence searching. If a station is found the search will stop.
6. If this station is the one required, press the ◀ / ▶ button to select **Storage**. Select the desired programme number with the ▲ / ▼ button.
7. Press the **OK** button to store it.
8. To store another station, repeat steps 3 to 8.
9. Repeatedly press the **MENU** button to return to normal TV viewing.



Channel Menu Options

Assigning a station name (In Analogue mode only)

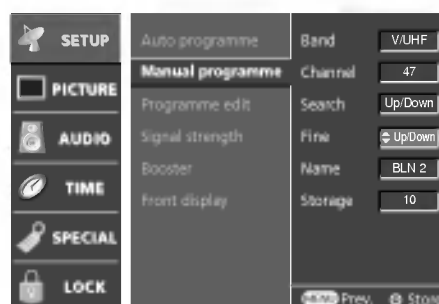
1. Repeat the 'Manual programme tuning' steps 1 to 2.
2. Press the ► button to select **Name**.
3. Press the ▲ button. You can use a blank, +, -, the numeric 0 to 9 and the alphabet A to Z.
With the ▼ button you can select in the opposite direction.
4. Select the next position by pressing the ► button and then take your choice of the second character, and so on.
5. Press the OK button.
6. Repeatedly press the MENU button to return to normal TV viewing.

Booster

- If the reception is poor at the fringed area of TV signal, select **Booster** to **On**. When the picture condition is good, do not select **Booster** to **On**.
 1. Press the MENU button and then ▲ / ▼ button to select the SETUP menu.
 2. Press the ► button and then ▲ / ▼ button to select **Booster**.
 3. Press the ► button and then ▲ / ▼ button to select **On** or **Off** on the **Booster** pull-down menu.
 4. Repeatedly press the MENU button to return to normal TV viewing.

Fine tuning (In Analogue mode only)

- Normally fine tuning is only necessary if reception is poor.
 1. Repeat the 'Manual programme tuning' steps 1 to 2.
 2. Press the ► button to select **Fine**.
 3. Press the ▲ / ▼ button to fine tune for the best picture and sound.
 4. Press the OK button.
 5. Repeatedly press the MENU button to return to normal TV viewing.
The finely tuned programme will be indicated by yellow number during programme selection.



Digital signal strength (In Digital mode only)

- Reveals how strong your DTV signal is and whether you need to adjust your antenna.
- The higher the signal strength, the less likely you are to experience picture degradation.
- Digital DTV Signals; May not be available in all areas, nor are broadcast on all programmes.
 1. Press the MENU button and then ▲ / ▼ button to select the SETUP menu.
 2. Press the ► button and then ▲ / ▼ button to select **Signal strength**.
View the on-screen signal strength monitor to see the quality of the signal being received.

LED DISPLAY adjustment

- You can switch LED DISPLAY on or off.
 1. Press the MENU button and then ▲ / ▼ button to select the SETUP menu.
 2. Press the ► button and then use ▲ / ▼ button to select **Front display**.
 3. Press the ► button and then use ▲ / ▼ button to select **On** or **Off**.
When you select **On** mode, The LED DISPLAY illuminates brightly.
 4. Repeatedly press the MENU button to return to normal TV viewing.



Programme Edit

- This function enables you to delete or skip the stored programmes. Also you can move some stations to other programme numbers or copy a blank station data into the selected programme number.

1. Press the **MENU** button and then **▲ / ▼** button to select the **SETUP** menu.
2. Press the **►** button and then **▲ / ▼** button to select **Programme edit**.
3. Press the **►** button to display the **Programme edit** menu.

Deleting a programme (In Analogue mode only)

1. Select a programme to be deleted with the **▲ / ▼** or **◀ / ▶** button.
2. Press the **RED** button twice.

The selected programme is deleted, all the following programmes are shifted up one position.

Copying a programme (In Analogue mode only)

1. Select a programme to be copied with the **▲ / ▼** or **◀ / ▶** button.
2. Press the **GREEN** button.
3. Move the programme to the desired programme number with the **▲ / ▼** or **◀ / ▶** button.
4. Press the **GREEN** button again to move the programme.

All the following programmes are shifted down one position.

Moving a programme (In Analogue mode only)

1. Select a programme to be moved with the **▲ / ▼** or **◀ / ▶** button.
2. Press the **YELLOW** button.
3. Move the programme to the desired programme number with the **▲ / ▼** or **◀ / ▶** button.
4. Press the **YELLOW** button again to release this function.

Skipping a programme number

1. Select a programme number to be skipped with the **▲ / ▼** or **◀ / ▶** button.
2. Press the **BLUE** button. The skipped programme turns to blue.
3. Press the **BLUE** button again to release the skipped programme.

When a programme number is skipped it means that you will be unable to select it using the **PR +/-** button during normal TV viewing. If you want to select the skipped programme, directly enter the programme number with the **NUMBER** buttons or select it in the programme edit or table menu.

Selecting favourite programme

1. Select your favourite programme number by pressing **▲ / ▼** or **◀ / ▶** buttons and then press the **FAVOURITE** button. It will automatically include the selected programme into your favourite programmes list and heart-mark will appear in front of that programme number. You can store up to 10 programmes.

Repeatedly press the **FAVOURITE** button to select stored favourite programmes in normal TV viewing.

Calling the Programme Table

- You can check the programmes stored in the memory by displaying the programme table.

Displaying programme table

Press the **LIST** button to display the Programme table menu.
The programme table appears on the screen.

Note :

- a. You may find some blue highlighted programmes shown. They have been set up in the programme edit mode.
- b. Some programmes with the channel number shown in the programme table indicate there is no station name assigned.

Selecting a programme in the programme table

Select a programme with the **▲ / ▼** or **◀ / ▶** button.
The set switches to the chosen programme number.

Paging through a programme table

Pressing the **PR +/-** button changes current page into previous/next page.

Press the **LIST** button to return to normal TV viewing.

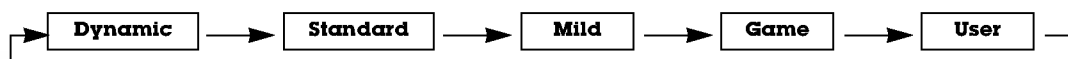
Picture Menu Options

PSM (Picture Status Memory)

- This function adjusts the set to the best picture appearance.
- When adjusting picture options (contrast, brightness, colour, sharpness and tint (NTSC input only)) manually, PSM is automatically changed to **User**.

1. Press the **PSM** button

- Each press of the **PSM** button changes the screen display as shown below.



- You can also select **Dynamic**, **Standard**, **Mild**, **Game** or **User** in the PICTURE menu.
- Picture options **Dynamic**, **Standard**, **Mild** and **Game** are preset and programmed for good picture quality at the factory and cannot be changed.

Picture adjustment

- You can adjust picture contrast, brightness, colour intensity, sharpness and tint (NTSC AV, COMPONENT 60Hz mode only) to the levels you prefer.

1. Press the **MENU** button and then **▲** / **▼** button to select the PICTURE menu.
2. Press the **▶** button and then **▲** / **▼** button to select the desired picture item.
3. Press the **▶** button and then **◀** / **▶** button to make appropriate adjustments, then it will be stored for the picture User.
4. Press the **OK** button.
5. Repeatedly press the **MENU** button to return to normal TV viewing.

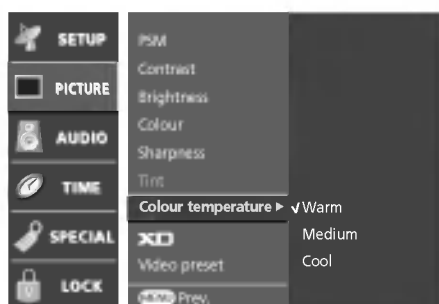
Note : The adjustment for PICTURE menu (contrast, brightness, colour, sharpness and tint) affect both the main and sub picture in PIP or Twin Picture mode.



Adjusting Auto Colour Control

- Choose one of three automatic colour adjustments. Set to warm to enhance hotter colours such as red, or set to cool to see less intense colours with more blue.

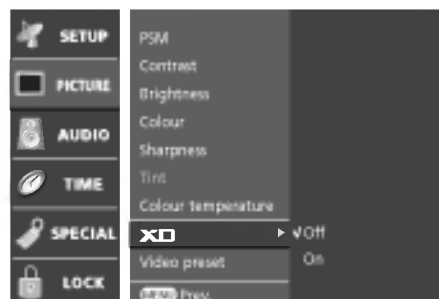
1. Press the **MENU** button and then **▲** / **▼** button to select the PICTURE menu.
2. Press the **▶** button and then **▲** / **▼** button to select **Colour temperature**.
3. Press the **▶** button and then use **▲** / **▼** button to select the desired colour temperature.
4. Press the **OK** button.
5. Repeatedly press the **MENU** button to return to normal TV viewing.



XD

- You can enjoy the vivid and hi-definition picture with LG's excellent Digital Reality processor technology.

1. Press the **MENU** button and then **▲** / **▼** button to select the **PICTURE** menu.
2. Press the **▶** button and then **▲** / **▼** button to select **XD**.
3. Press the **▶** button and then **▲** / **▼** button to select **On** or **Off** on the **XD** pull-down menu.
4. Press the **OK** or **◀** button.
5. Repeatedly press the **MENU** button to return to normal TV viewing.



Video preset

- Use to quickly reset all the picture menu options to their original factory preset values.

Audio Menu Options

SSM (Sound Status Memory)

- This function lets you enjoy the best sound without any special adjustment because the set has the appropriate sound option based on the programme content.
- When adjusting sound options (treble and bass) manually, SSM is automatically changed to **User**.

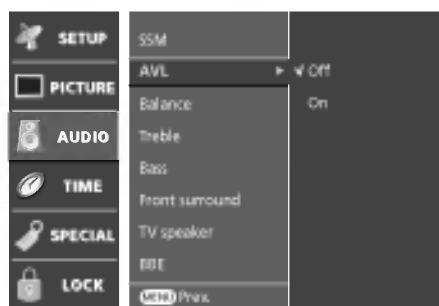
1. Press the **SSM** button.
2. Press the **SSM** button to select your desired sound.



- You can also select **Standard**, **Music**, **Movie**, **Speech** or **User** in the AUDIO menu.
- The sound **Standard**, **Music**, **Movie** and **Speech** are programmed for good sound reproduction at the factory and cannot be changed.

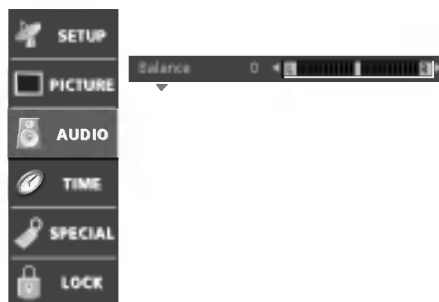
AVL (Auto Volume Leveler)

- If you select **AVL On**, the set automatically keeps on an equal volume level even if you change programmes.
1. Press the **MENU** button and then **▲ / ▼** button to select the AUDIO menu.
 2. Press the **▶** button and then **▲ / ▼** button to select **AVL**.
 3. Press the **▶** button and then **▲ / ▼** button to select **On** or **Off** on the **AVL** pull-down menu.
 4. Press the **OK** or **◀** button.
 5. Repeatedly press the **MENU** button to return to normal TV viewing.



Adjusting Sound Control

1. Press the **MENU** button and then **▲ / ▼** button to select the AUDIO menu.
2. Press the **▶** button and then use **▲ / ▼** button to select the desired sound item.
3. Press the **▶** button and then use **◀ / ▶** button to make appropriate adjustments.
4. Press the **OK** button.
5. Repeatedly press the **MENU** button to return to normal TV viewing.



Front surround

1. Press the **MENU** button and then **▲ / ▼** button to select the AUDIO menu.
2. Press the **▶** button and then **▲ / ▼** button to select **Front surround**.
3. Press the **▶** button and then **▲ / ▼** button to select **Off** or **SRS TruSurround XT** on the **Front surround** pull-down menu.

SRS TruSurround XT

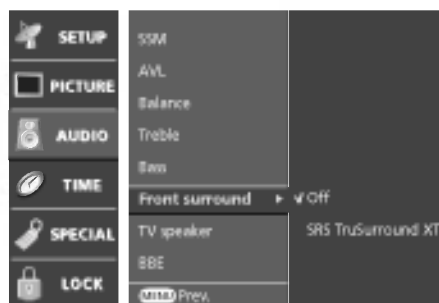
Takes advantage of any multi-channel format without needing to add extra speakers or equipment. Dialog clarity, bass enrichment, and the addition of stereo audio enhancement that produces an immersion sound experience from standard stereo material.

6. Press the **OK** button.
7. Repeatedly press the **MENU** button to return to normal TV viewing.



is a trademark of SRS Labs, Inc.

TruSurround XT technology is incorporated under license from SRS Labs, Inc.



Speaker adjustment

- You can adjust internal speaker status.

 1. Press the **MENU** button and then **▲** / **▼** button to select the **AUDIO** menu.
 2. Press the **▶** button and then **▲** / **▼** button to select **TV speaker**.
 3. Press the **▶** button and then **▲** / **▼** button to select **Off** or **On** on the **TV speaker** pull-down menu.
 4. Press the **OK** button.
 5. Repeatedly press the **MENU** button to return to normal TV viewing.

Note : In AV, RGB-PC/DTV and DVI-PC/DTV mode, internal speaker/variable audio can be output even though there is no video signal.



BBE

- BBE High Definition Sound restores clarity and presence for better speech intelligibility and musical realism.

 1. Press the **MENU** button and then **▲** / **▼** button to select the **AUDIO** menu.
 2. Press the **▶** button and then use **▲** / **▼** button to select **BBE**.
 3. Press the **▶** button and then use **▲** / **▼** button to select **On** or **Off**.
 4. Repeatedly press the **MENU** button to return to normal TV viewing.

BBE. Manufactured under license from BBE Sound, Inc.



Sound output selection (In Analogue mode only)

- You can select output sound for the left and right loudspeakers.
 - This function works in the following mode:
Video 1/2, Component 1/2, RGB-PC/DTV or DVI-PC/DTV
- Repeatedly press the **I/II** button to select the sound output.
- L+R** : Audio signal from audio L input is sent to the left loud speaker and audio signal from audio R input is sent to the right loud speaker.
- L+L** : Audio signal from audio L input is sent to left and right loud-speakers.
- R+R** : Audio signal from audio R input is sent to left and right loud-speakers.
- Repeatedly press the **I/II** button to change the audio mode (MPEG or DOLBY DIGITAL) in Digital mode.

Stereo reception (In Analogue mode only)

Broadcast	On Screen Display
Mono	MONO
Stereo	MONO / STEREO

Mono sound selection

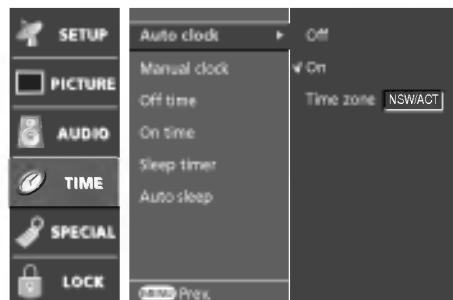
In stereo reception if the stereo signal is weak, you can switch to mono by pressing the **I/II** button twice. In mono reception the depth of sound is improved. To switch back to stereo, press the **I/II** button twice again.

Time Menu Options

Auto clock setup

- The time is automatically set from a digital channel signal.
- The digital channel signal includes information for the current time provided by the broadcasting station.
- Set the clock manually, if the current time is set incorrectly by the auto clock function.

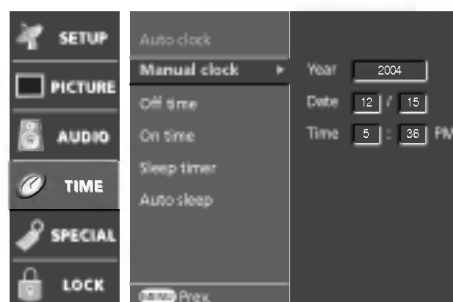
1. Press the **MENU** button and then **▲ / ▼** button to select the TIME menu.
2. Press the **▶** button and then **▲ / ▼** button to select **Auto clock**.
3. Press the **▶** button and then **▲ / ▼** button to select **On**.
4. Press the **▶** button and then **▲ / ▼** button to select your viewing area time zone; **NSW/ACT**, **NT**, **TAS**, **WA**, **SA**, **QLD**, or **VIC**.
5. Press the **OK** or **◀** button.
6. Repeatedly press the **MENU** button to return to normal TV viewing.



Manual clock setup

- If current time setting is wrong, reset the clock manually.

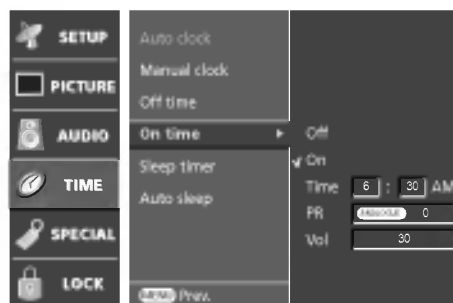
1. Press the **MENU** button and then **▲ / ▼** button to select the TIME menu.
2. Press the **▶** button and then **▲ / ▼** button to select **Manual clock**.
3. Press the **▶** button and then **◀ / ▶** button to select among the year, date, or time option.
Once selected, use the **▲ / ▼** button to set year, date, and time options.
4. Press the **OK** or **◀** button.
5. Repeatedly press the **MENU** button to return to normal TV viewing.



Setting the On/Off time

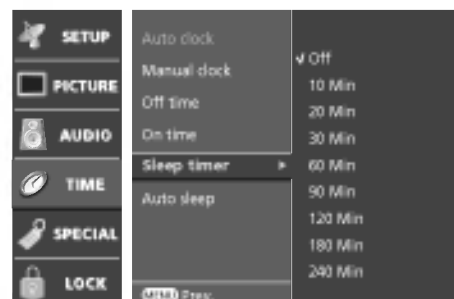
- Timer function operates only if current time has been already set.
- Off Time function overrides on Time function if they are set to the same time.
- The set must be in standby mode for the On Time to work.
- Two hours after the set is switched on by the on time function it will automatically switch back to standby mode unless a button has been pressed.

1. Press the **MENU** button and then **▲ / ▼** button to select the TIME menu.
2. Press the **▶** button and then use **▲ / ▼** button to select **Off time** or **On time**.
3. Press the **▶** button and then use **▲ / ▼** button to select **On**.
To cancel **On/Off time** function, select **Off**.
4. Press the **▶** button and then use **▲ / ▼** button to adjust the hour.
5. Press the **▶** button and then use **▲ / ▼** button to adjust the minute.
6. **Only On time function:** Press the **▶** button and then use **▲ / ▼** button to adjust programme number or volume level.
7. Press the **OK** or **◀** button.
8. Repeatedly press the **MENU** button to return to normal TV viewing.




Sleep timer

- You don't have to remember to switch the set off before you go to bed. The sleep timer automatically switches the set to standby after the preset time elapses.
- 1. Press the **MENU** button and then **▲ / ▼** button to select the **TIME** menu.
- 2. Press the **►** button and then **▲ / ▼** button to select **Sleep timer**.
- 3. Press the **►** button and then **▲ / ▼** button to select a timer setting on the **Sleep timer** pull-down menu.
- 4. Press the **OK** or **◀** button.
- 5. Repeatedly press the **MENU** button to return to normal TV viewing.



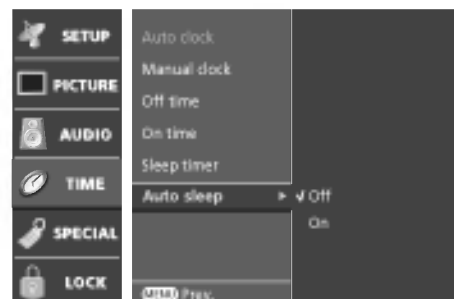
Press the **SLEEP** button to select the number of minutes. The display will appear on the screen, followed by **10, 20, 30, 60, 90, 120, 180** and **240**. The timer begins to count down from the number of minutes selected.

Note :

- a. To view the remaining sleep time, press the **SLEEP** button once.
- b. To cancel the sleep time, repeatedly press the **SLEEP** button until the display  Sleep timer Off appears.
- c. When you switch the set off, the set releases the preset sleep time.

Auto sleep

- If there is no input signal, the set will turn off automatically after 10 minutes.
- 1. Press the **MENU** button and then **▲ / ▼** button to select the **TIME** menu.
- 2. Press the **►** button and then **▲ / ▼** button to select **Auto sleep**.
- 3. Press the **►** button and then **▲ / ▼** button to select **On** or **Off**.
- 4. Press the **OK** or **◀** button.
- 5. Repeatedly press the **MENU** button to return to normal TV viewing.



Special Menu Options

Main Picture Source Selection

- Inputs can be set for TV, AV, Component or RGB-PC mode. AV mode is used when a video cassette recorder (VCR), or other equipment is connected to the set.

Note : When a VCR is connected via the aerial socket the set is used in TV mode. See the 'External Equipment Viewing Setups' section.

1. Press the **MENU** button and then use **▲** / **▼** button to select the **SPECIAL** menu.
2. Press the **▶** button and then use **▲** / **▼** button to select **Main input**.
3. Press the **▶** button and then use **▲** / **▼** button to select **Digital**, **Analogue**, **Video 1**, **Video 2**, **Component 1**, **Component 2**, **RGB-PC**, **RGB-DTV**, **DVI-PC** or **DVI-DTV**.

Video 1 : VCR connected to the **VIDEO1 INPUT** sockets of the set
 Video 2 : VCR connected to the **VIDEO2 INPUT** sockets of the set
 Component1/2 : DVD connected to the **DTV/DVD INPUT** sockets on the back of set

RGB-PC/DTV : PC or SET TOP box connected to the **RGB INPUT** sockets on the back of set

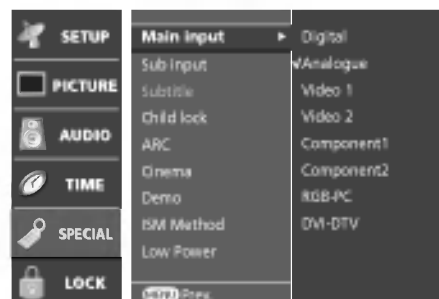
DVI-PC/DTV : PC or SET TOP box connected to the **DVI INPUT** sockets on the back of set

4. Press the **OK** or **◀** button.
5. Repeatedly press the **MENU** button to return to normal TV viewing.

Alternatively you can select the **Digital**, **Analogue**, **Video 1**, **Video 2**, **Component 1**, **Component 2**, **RGB-PC** (or **RGB-DTV**) or **DVI-PC** (or **DVI-DTV**) mode by pressing the **TV/AV** button.

In AV, Component, RGB-PC or DVI-DTV mode, to return to TV mode, press the **PR +/-** or **NUMBER** buttons.

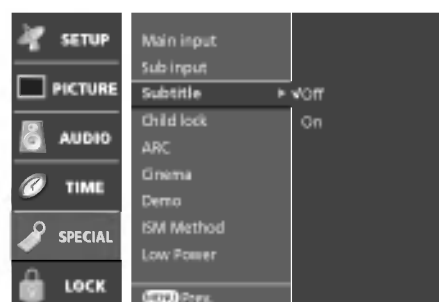
Press the **D/A TV** button to select digital or analogue mode.



Subtitle (In Digital mode only)

1. Press the **MENU** button and then use **▲** / **▼** button to select the **SPECIAL** menu.
2. Press the **▶** button and then use **▲** / **▼** button to select **Subtitle**.
3. Press the **▶** button and then use **▲** / **▼** button to select **On** or **Off** on the **Subtitle** pull-down menu.
4. Press the **OK** or **◀** button.
5. Repeatedly press the **MENU** button to return to normal TV viewing.

You can select Subtitle on or off with the **TEXT** button in DTV mode.

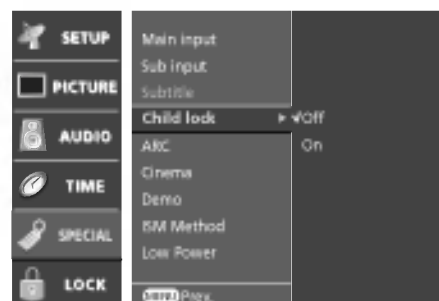


Child Lock

- The TV can be set so that the remote control handset is needed to control it. This feature can be used to prevent unauthorized viewing.
1. Press the **MENU** button and then use **▲** / **▼** button to select the **SPECIAL** menu.
 2. Press the **▶** button and then use **▲** / **▼** button to select **Child lock**.
 3. Press the **▶** button and then use **▲** / **▼** button to select **On** or **Off**.
 4. Press the **OK** or **◀** button.
 5. Repeatedly press the **MENU** button to return to normal TV viewing.

With the lock on, the display **Child lock : On** appears on the screen if any button on the front panel is pressed while viewing the TV.

Note : The display **Child lock : On** will not appear on the screen if any button on the front panel is pressed while displaying the menus.

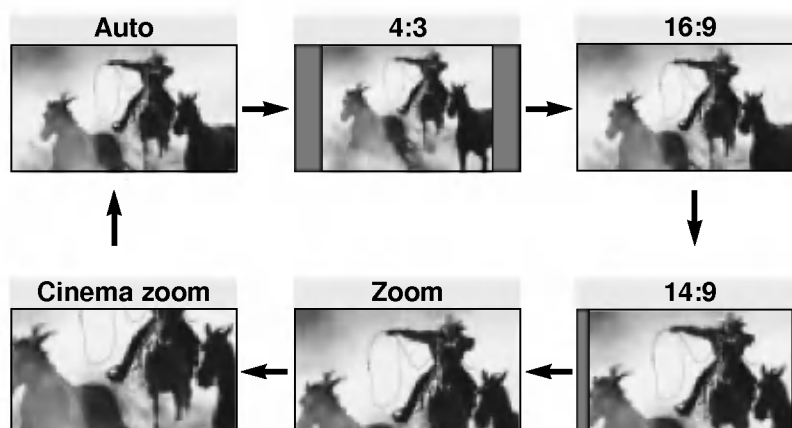


Picture format

- You can watch TV in various picture formats; Auto, 4:3, 16:9 (Wide), 14:9, Zoom and Cinema zoom.
- You can repeatedly press the **ARC** button to select your desired picture format.
- You can also select your desired picture format in the **SPECIAL** menu.

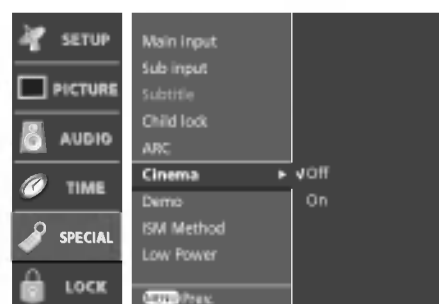
Note:

- a. You are available to 4:3 and 16:9 in DVI-PC and RGB-PC mode.
- b. Auto: When your TV receives the wide screen signal, it will be automatically changed to the picture format to be sent. (Not available in all countries)
- c. You can adjust the enlarge proportion of Cinema Zoom using **▲** / **▼** button. The adjustment range is 1 ~ 16.
- d. You can adjust the enlarge proportion of Zoom using **▲** / **▼** button. The adjustment range is -16 ~ +16.
- e. You can adjust the enlarge proportion of 14:9 using **▲** / **▼** button. The adjustment range is -10 ~ +10.



Cinema

- When you watch the movie, this function adjusts the set to the best picture appearance.
1. Press the **MENU** button and then use **▲** / **▼** button to select the **SPECIAL** menu.
 2. Press the **▶** button and then use **▲** / **▼** button to select **Cinema**.
 3. Press the **▶** button and then use **▲** / **▼** button to select **On** or **Off**.
 4. Press the **OK** or **◀** button.
 5. Repeatedly press the **MENU** button to return to normal TV viewing.

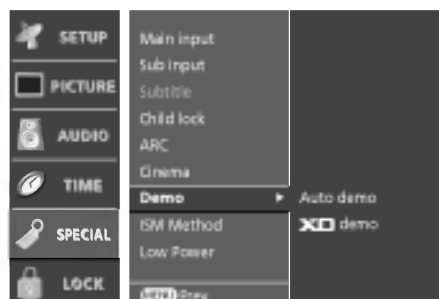


Special Menu Options

Demo

- Shows you how to navigate the TV's on-screen menus.

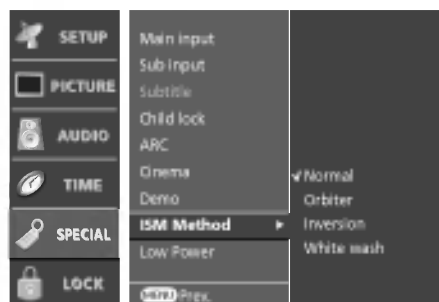
 1. Press the **MENU** button and then use **▲** / **▼** button to select the **SPECIAL** menu.
 2. Press the **▶** button and then use **▲** / **▼** button to select **Demo**.
 3. Press the **▶** button and then use **▲** / **▼** button to select **Auto demo** or **XD demo** on the **Demo** pull-down menu.
 4. Press the **▶** button to start.
Auto demo : Use to scan the features and menu options available on your TV.
XD demo : Use to see the difference between XD Demo and XD Demo Off.
 5. Press the **EXIT** button to stop Demo.



ISM (Image Sticking Minimization) Method

- Frozen picture from a PC/video game displayed on the screen for prolonged periods will result in a ghost image remaining even when you change the image. Avoid allowing a fixed image to remain on the set's screen for a long period of time.

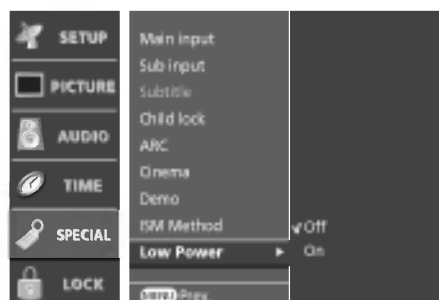
 1. Press the **MENU** button and then use **▲** / **▼** button to select the **SPECIAL** menu.
 2. Press the **▶** button and then use **▲** / **▼** button to select **ISM Method**.
 3. Press the **▶** button and then use **▲** / **▼** button to select either **Normal**, **Orbiter**, **Inversion** or **White wash**.
 If you don't need to set this function, set **Normal**.
 - **White wash** :
 White Wash removes permanent images from the screen.
Note: An excessive permanent image may be impossible to clear entirely with White Wash.
 - **Orbiter** :
 Orbiter may help prevent ghost images. However, it is best not to allow any fixed image to remain on the screen. To avoid a permanent image on the screen, the screen will move every 2 minutes.
 - **Inversion** :
 This is the function to invert the panel colour of the screen. The panel colour is automatically inverted every 30 minutes.
 4. Repeatedly press the **MENU** button to return to normal TV viewing.



Low Power

- This is the function to reduce the power consumption of the set.

 1. Press the **MENU** button and then use **▲** / **▼** button to select the **SPECIAL** menu.
 2. Press the **▶** button and then use **▲** / **▼** button to select **Low power**.
 3. Press the **▶** button and then use **▲** / **▼** button to select **On** or **Off**.
 4. Repeatedly press the **MENU** button to return to normal TV viewing.



Lock Menu Options

Lock setup

- Lets you set up blocking schemes to block specific channels, ratings, and external viewing sources.
- A password is required to gain access to this menu.

1. Press the **MENU** button and then use **▲** / **▼** button to select the **LOCK** menu.
Then, press the **►** button to enter the password as requested.
The TV is set up with the initial password "0-0-0-0".
2. Use the **▲** / **▼** button to choose from the following Lock menu options.
Once the option is selected, change the settings to your preference.

Lock system

Activates or disables the blocking scheme you set up previously.

Set password

Change the password by inputting a new password twice.

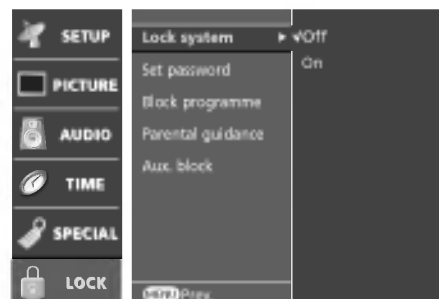
Parental guidance (In Digital mode only)

Prevents children from watching certain adult's TV programmes, according to the ratings limit set.

Aux. block

Enables you to select a source to block from the external source devices you have hooked up.

4. Press the **OK** or **◀** button.
5. Repeatedly press the **MENU** button to return to normal TV viewing.



Note : If you forgot your password, press '7', '7', '7', '7' on the remote control handset.

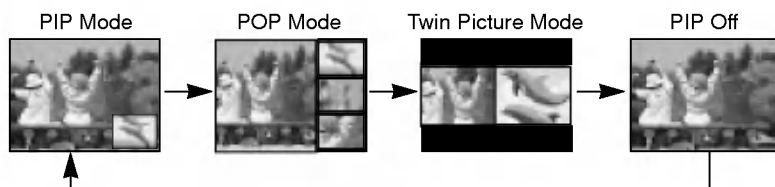
PIP (Picture-In-Picture) / POP / Twin Picture

Option :

PIP (Picture in Picture) displays a picture within a picture.

On and off

- Press the **PIP** button to switch on the sub picture.
- Press **EXIT** button to switch it off.
- Each press of **PIP** button changes the screen display as shown below.



Note :

- When the sub picture size is 1/2 of the main picture, the picture quality might get poor.
- The motion of the sub picture can be unnatural because the set displays full screen by synchronizing the main picture source when the refresh rate between the main picture source and the sub picture source is different in PIP mode.

Input mode selection for sub picture

Press the **PIP INPUT** button to select the input mode for the sub picture.

Each time this button is pressed, each input mode for the sub picture is displayed as shown below.



Main Picture Source	Available Sub Picture Source
Digital	Analogue, Video1/2
Analogue	Digital, Video1/2
Video1/2, Component1/2, RGB, DVI	Digital, Analogue, Video1/2

Note : When the PIP function is switched on, you can also adjust it in the Special menu.

Sub picture position change

In PIP mode, press the **▲ / ▼ / ◀ / ▶** button to move the sub picture to a different location on the screen.

Programme selection for sub picture

The sub picture programme selection is available when the sub picture is TV mode. Press the **PIP PR +/-** buttons to select a programme for the sub picture.

Swapping between main and sub picture

Press the **SWAP** button to exchange the main and sub picture.

Note : When the main picture is Digital, Analogue or AV modes, the swapping is available.

Adjusting main and sub picture sizes for Twin Picture

Use the **▲ / ▼ / ◀ / ▶** button to change main and sub picture sizes in Twin Picture mode.

POP (Picture-out-of-Picture: Channel Scan)

- Use POP to search the programmes of all the memorized channels one-by-one on the 3 PIP screen display, (while the main picture source remains the current channel). The pictures of all the programmed channels are searched with the 3 POP screen.

Teletext (option)

- Teletext (or TOP text) is an optional function, therefore only a set with the teletext system can receive the teletext broadcast.
- Teletext is a free service broadcast by most TV stations which gives up-to-the-minute information on news, weather, television programmes, share prices and many other topics.
- The teletext decoder of this TV can support the SIMPLE, TOP and FASTEXT systems. SIMPLE (standard teletext) consists of a number of pages which are selected by directly entering the corresponding page number. TOP and FASTEXT are more modern methods allowing quick and easy selection of teletext information.

Switch on/off

Press the **TEXT** button to switch to teletext.

If TV and text picture are displayed half and half of the screen, press the **TEXT** button again to display text picture fully.

The initial page or last page appears on the screen.

Two page numbers, TV station name, date and time are displayed on the screen headline.

The first page number indicates your selection, while the second shows the current page displayed.

Press the **TEXT** button to switch off teletext. The previous mode reappears.

SIMPLE Text (option)

Page selection

1. Enter the desired page number as a three digit number with the **NUMBER** buttons. If during selection you press a wrong number, you must complete the three digit number and then reenter the correct page number.
2. The **PR +/-** button can also be used to select the preceding or following page.

TOP text (option)

The user guide displays four fields-red, green, yellow and blue at the bottom of the screen.

The yellow field denotes the next group and the blue field indicates the next block.

Block / group / page selection

1. With the blue button you can progress from block to block.
2. Use the yellow button to proceed to the next group with automatic overflow to the next block.
3. With the green button you can proceed to the next existing page with automatic overflow to the next group.
Alternatively the **PR +** button can be used.
4. The red button permits to return to previous selection. Alternatively the **PR -** button can be used.


Direct page selection

Corresponding to the SIMPLE teletext mode, you can select a page by entering it as a three digit number using the **NUMBER** buttons in TOP mode.

FASTEXT

The teletext pages are colour coded along the bottom of the screen and are selected by pressing the corresponding coloured button.

Page selection

1. Press the  button to select the index page.
2. You can select the pages which are colour coded along the bottom line with the same coloured buttons.
3. Corresponding to the SIMPLE teletext mode, you can select a page by entering its three digit page number with the NUMBER buttons in FASTEXT mode.
4. The **PR +/-** button can be used to select the preceding or following page.

Special Teletext Functions



REVEAL

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.



SIZE

Selects double height text.

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.



UPDATE

Displays the TV picture on the screen while waiting for the new teletext page.

Press this button to view the updated teletext page.



HOLD

Stops the automatic page change which will occur if a teletext page consists of 2 or more sub pages. 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 top left-hand corner of the screen and the automatic page change is inhibited.

To continue press this button again.



MIX

Displays the teletext pages superimposed on the TV picture.

To switch the TV picture off press this button again.

Note : When TV and text picture are displayed half and half of the screen, MIX function is not available.



TIME

This button has two functions:

a) When viewing a TV programme, press this button to display the time at the top right hand corner of the screen. Press this button again to remove the display.

b) In teletext mode, press this button to select a sub page number. The sub page number is displayed at the bottom of the screen. To hold or change the sub page, press the RED/ GREEN or **PR +/-** or NUMBER buttons. Press this button again to exit this function.

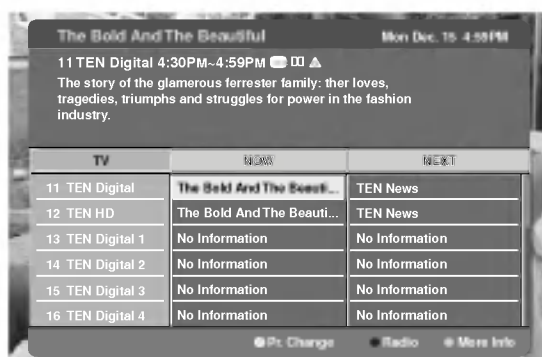
EPG (Electronic Programme Guide) (In Digital mode only)

EPG (Electronic Programme Guide) (In Digital mode only)

- This function can be used only when the EPG information is broadcasted by broadcasting companies.
- This system has an Electronic Programme Guide (EPG) to help your navigation through all the possible viewing options.
- The EPG supplies information such as programme listings, start and end times for all available services.
- In addition, detailed information about the programme is often available in the EPG (the availability and amount of these programme details will vary, depending on the particular broadcaster).

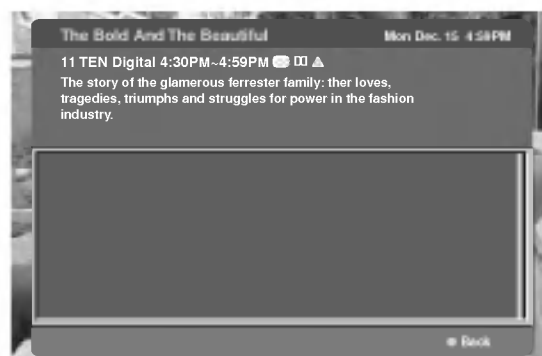
Switch on/off EPG

1. Press the **GUIDE** button to switch on EPG.
2. Press the **GUIDE** button again to switch off EPG and return to TV viewing.



Select a programme

Press the **▲ / ▼**, **◀ / ▶** button to select desired programme, then press the **OK** button to display the selected programme.



Colour button operation

RED	shows the TV or Radio programmes
GREEN	the detail information on or off

IR Code (NEC Format)

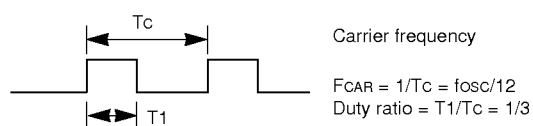
How to connect

- Connect your wired remote control to the Remote Control port on the Monitor.

Remote Control IR Code (NEC Format)

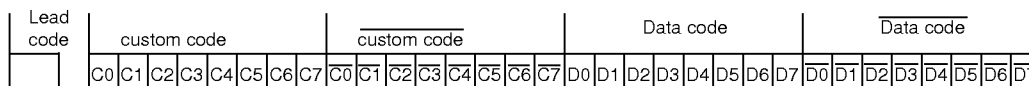
► Output waveform

Single pulse, modulated with 37.917KHz signal at 455KHz

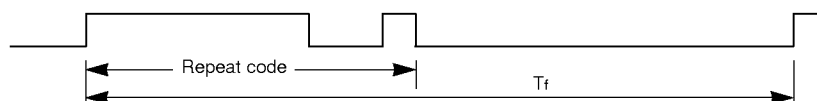


► Configuration of frame

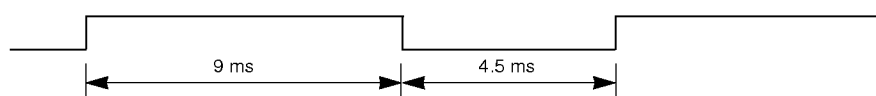
- 1st frame



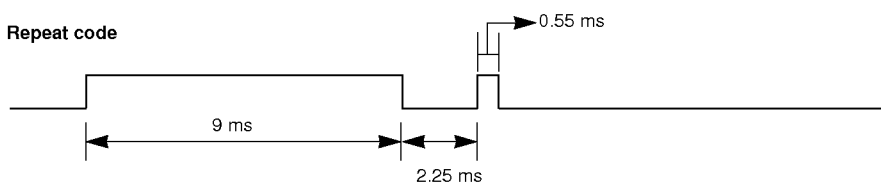
- Repeat frame



► Lead code

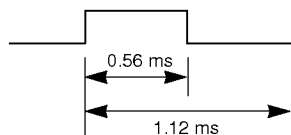


► Repeat code

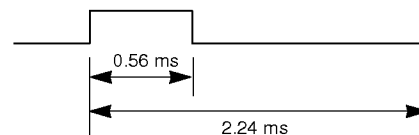


► Bit description

- Bit "0"

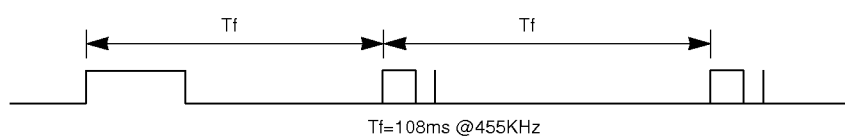


- Bit "1"



► Frame interval : Tf

The waveform is transmitted as long as a key is depressed.



Code (Hexa)	Function	Note
00	PR+	R/C Button
01	PR-	R/C Button
02	VOL+	R/C Button
03	VOL-	R/C Button
40	Up (▲)	R/C Button
41	Down (▼)	R/C Button
06	Right (►)	R/C Button
07	Left (◄)	R/C Button
08	POWER	R/C Button (Power On/Off)
C4	POWER ON	Discrete IR Code (Only Power On)
C5	POWER OFF	Discrete IR Code (Only Power Off)
09	MUTE	R/C Button
10	Number Key 0	R/C Button
11	Number Key 1	R/C Button
12	Number Key 2	R/C Button
13	Number Key 3	R/C Button
14	Number Key 4	R/C Button
15	Number Key 5	R/C Button
16	Number Key 6	R/C Button
17	Number Key 7	R/C Button
18	Number Key 8	R/C Button
19	Number Key 9	R/C Button
50	D/A TV	R/C Button
0B	TV/AV	R/C Button
98	MULTIMEDIA	R/C Button
BF	COMPONENT1	Discrete IR Code (Input COMPONENT1 Selection)
D4	COMPONENT2	Discrete IR Code (Input COMPONENT2 Selection)
C6	DVI	Discrete IR Code (Input DVI Selection)
D5	RGB	Discrete IR Code (Input RGB Selection)
D6	TV	Discrete IR Code (Input TV Selection)
5A	AV1	Discrete IR Code (Input AV1 Selection)
D0	AV2	Discrete IR Code (Input AV2 Selection)
A9	GUIDE	R/C Button
AA	INFO	R/C Button
1E	FAVOURITE	R/C Button
5B	EXIT	R/C Button
0A	I/II	R/C Button
0E	SLEEP	R/C Button
43	MENU	R/C Button
44	OK(⊙)	R/C Button
4D	PSM	R/C Button
52	SSM	R/C Button
53	LIST	R/C Button
20	TEXT	R/C Button
2A	REVEAL	R/C Button
22	MODE	R/C Button
24	MIX	R/C Button
26	TIME	R/C Button
62	UPDATE	R/C Button
64	SIZE	R/C Button
65	STILL	R/C Button
70	INDEX	R/C Button
60	PIP	R/C Button
61	PIP INPUT	R/C Button
63	SWAP	R/C Button
71	PIP PR+	R/C Button
72	PIP PR-	R/C Button
79	ARC	R/C Button
76	ARC (4:3)	Discrete IR Code (Only 4:3 mode)
77	ARC (16:9)	Discrete IR Code (Only 16:9 mode)
AF	ARC (Zoom)	Discrete IR Code (Only Zoom mode)

Notes

Notes

Troubleshooting Checklist

No picture & No sound	<ul style="list-style-type: none">• Check whether the set is turned on.• Power cord inserted into wall outlet?• Plug another product's power cord into the wall outlet where the set's power cord was plugged in.
Picture OK & No sound	<ul style="list-style-type: none">• Press the VOLUME (+) button.• Sound muted? Press MUTE button.
The remote control doesn't work	<ul style="list-style-type: none">• Check to see if there is any object between the set and the remote control causing obstruction.• Check to see if the batteries are installed with the correct polarities. (Refer to p.6)• Check if the remote control handset is set up to correct mode.• Install new batteries. (Refer to p.6)
Picture appears slowly, after switching on	<ul style="list-style-type: none">• This is normal as the image is muted during the startup process of the set. Please contact your service centre, if the picture has not appeared after five minutes.
No or Poor colour or Poor picture	<ul style="list-style-type: none">• Select Colour in the PICTURE menu and press the VOLUME (+) button. (Refer to p.20)• Keep a certain distance between the set and the VCR.• Activate any function to restore the brightness of the picture. (If still picture is on the screen for more than 5 minutes, the screen gets dark.)
Horizontal/vertical bars or picture shaking	<ul style="list-style-type: none">• Check for local interference such as an electrical appliance or power tool.
No output from one of the speakers	<ul style="list-style-type: none">• Adjust Balance in the SOUND menu. (Refer to p.22)
Unusual sound from inside the set	<ul style="list-style-type: none">• A change in ambient humidity or temperature may result in an unusual noise at the time of switching off or on of the set and does not indicate a fault with the set.

Product Specifications

MODEL	DT-42PY10X
Width (inches / mm)	48 / 1216
Height (inches / mm)	27 / 691
Depth (inches / mm)	10.7 / 271.4
Weight (pounds / kg)	86 / 39
Power requirement	AC100-240V, 50/60Hz
Resolution	1024 x 768 (Dot)
Colour	16,770,000 (256 steps of each R, G and B)
Operating Temperature Range	32 ~ 104°F (0 ~ 40°C)
Operating Humidity Range	Less than 80%

MODEL	DT-50PY10
Width (inches / mm)	55 / 1402
Height (inches / mm)	31.4 / 798.5
Depth (inches / mm)	12 / 302.5
Weight (pounds / kg)	122 / 55.3
Power requirement	AC100-240V, 50/60Hz
Resolution	1366 x 768 (Dot)
Colour	16,770,000 (256 steps of each R, G and B)
Operating Temperature Range	32 ~ 104°F (0 ~ 40°C)
Operating Humidity Range	Less than 80%

MODEL	DT-60PY10
Width (inches / mm)	67 / 1708
Height (inches / mm)	37 / 931
Depth (inches / mm)	13 / 320.7
Weight (pounds / kg)	188.5 / 85.5
Power requirement	AC100-240V, 50/60Hz
Resolution	1366 x 768 (Dot)
Colour	16,770,000 (256 steps of each R, G and B)
Operating Temperature Range	32 ~ 104°F (0 ~ 40°C)
Operating Humidity Range	Less than 80%

- The specifications shown above may be changed without notice for quality improvement.

