

OWNER'S MANUAL

Palsonic

**106CM CORDLESS REMOTE PLASMA TELEVISION
MODEL: PDP4280HD**



N111

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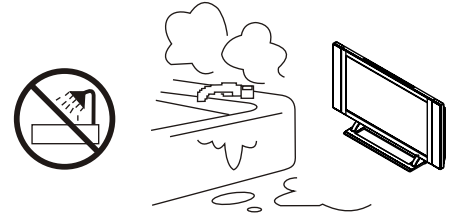
Important Safety Precautions

Electrical energy can perform many useful functions, but it can also cause personal injuries and property damage if improperly handled. This product has been engineered and manufactured with the highest priority on safety. But **IMPROPER USE CAN RESULT IN POTENTIAL ELECTRICAL SHOCK OR FIRE HAZARD**. In order to prevent potential danger, please observe the following instructions when installing, operating and cleaning the product. To ensure your safety and prolong the service life of your PDP TV product, please read the following precautions carefully before using the product.

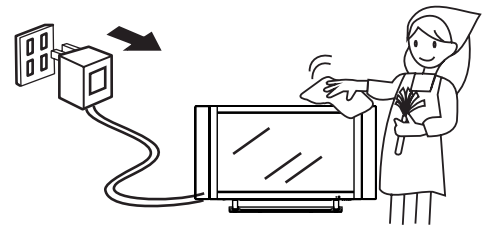
- 1. Read these instructions**---All operating instructions must be read and understood before the product is operated.
- 2. Keep these instructions**---These safety and operating instructions must be kept in a safe place for future reference.
- 3. Heed all warnings**---All warnings on the product and in the instructions must be observed closely.
- 4. Follow all instructions**---All operating instructions must be followed.

5. Do not use this apparatus near water---for example, near a bathtub, washbowl, kitchen sink, or laundry tub, in a wet basement, or near swimming pool, and the like.

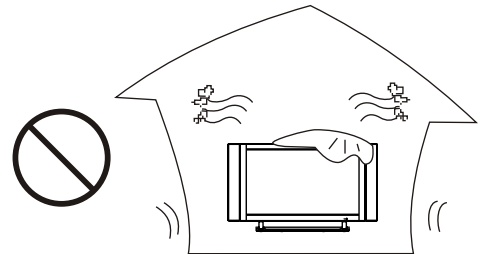
Do not use immediately after moving from a low temperature to high temperature environment, as this causes condensation, which may result in fire, electric shock, or other hazards.



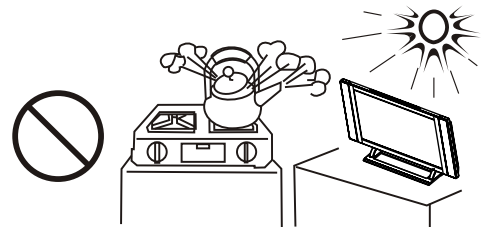
6. Clean only with dry cloth---Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.



7. Ventilation---Do not block any ventilation openings. Install in accordance with the manufacturer instructions. The vents and other openings in the cabinet are designed for ventilation. Do not cover or block these vents and openings since insufficient ventilation can cause overheating and/or shorten the life of the product. Do not place the product on a bed, sofa, rug or other similar surface, since they can block ventilation openings. This product is not designed for built-in installation; do not place the product in an enclosed place such as a bookcase or rack, unless proper ventilation is provided or the manufacturer's instructions are followed.



8. Heat sources---Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.



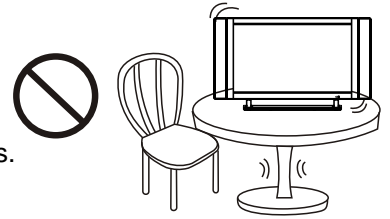
9. Grounding or Polarisation---Do not defeat the safety purpose of the polarised or grounding-type plug. A polarised plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet. **(America only)**

10. Power cord protection---Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.

11. Attachments---Only use attachments/ accessories specified by the manufacturer. Do not use attachments not recommended by the manufacturer. Use of improper attachments can result in accidents.

Important Safety Precautions (continued)

12. Stand---Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. Do not place the product on an unstable trolley, stand, tripod or table. Placing the product on an unstable base can cause the product to fall, resulting in serious personal injuries as well as damage to the product. When mounting the product on a wall, be sure to follow the manufacturer's instructions. Use only the mounting by the hardware recommended manufacturer.

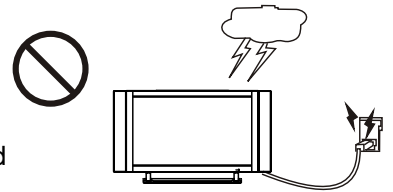


13. Carefully move---When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over. Sudden stops, excessive force and uneven floor surfaces can cause the product to fall from the trolley.



14. Lightning---Unplug this apparatus during lightning storms or when unused for long of periods time.

For added protection for this television equipment during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna. This will prevent damage to the equipment due to lightning and power-line surges.



15. Servicing---Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

16. Replacement parts---In case the product needs replacement parts, make sure that the service person uses replacement parts specified by the manufacturer, or those with the same characteristics and performance as the shock and/or original parts. Use of unauthorised parts can result in fire, electric other danger.

17. Overloading---Do not overload wall outlets, extension cords, or convenience receptacles on other equipment as this can result in a risk of fire or electric shock.

18. Entering of objects and liquids---Never insert an object into the product through vents or openings. High voltage flows and/or in the product, and inserting an object can cause electric shock short internal parts. For the same reason, do not spill water or liquid on the product.

19. Damage, requiring service---If any of the following conditions occurs unplug the power cord from the AC outlet, and repairs. request a qualified service person to perform

- When the power cord or plug is damaged.
- When a liquid is spilled on the product or when objects have fallen into the product.
- When the product has been exposed to rain or water.
- When the product does not operate properly as described in the operating instructions.

Do not touch the controls other than those described in the operating instructions. Improper adjustment of controls not described in the instructions can cause damage, which often requires extensive adjustment work by a qualified technician.

- If the product has been dropped or the cabinet has been damaged in any way.
- When the product displays an abnormal condition or exhibits a distinct change in performance. Any noticeable abnormality in the product indicates that the product needs servicing.

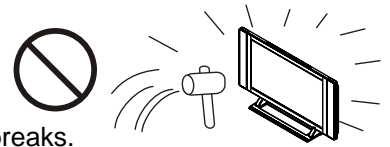
20. Safety checks---Upon completion of service or repair work, request the service technician to perform safety checks to ensure that the product is in proper operating condition.

21. Wall or ceiling mounting---When mounting the product on a wall or ceiling, be sure to install the product according to the method recommended by the manufacturer. This is a safety feature.

Important Safety Precautions (continued)

22. Power source---This product is intended to be supplied by a listed power supply indicated on the marking label. If you are not sure of the type of power supply to your home, consult your product dealer or local power company. For added protection for this product during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the cable system. This will prevent damage to the product due to lightning and power line surges. When the unit has to be used with another power supply voltage, the power cable must be changed. Consult your product dealer. The socket outlet should be installed near the equipment and easily accessible. Use only the power cord designated by our dealer to ensure safety and EMC. When connecting other products such as VCRs and personal computers, you should turn off the power of the unit for protection against electric shock.

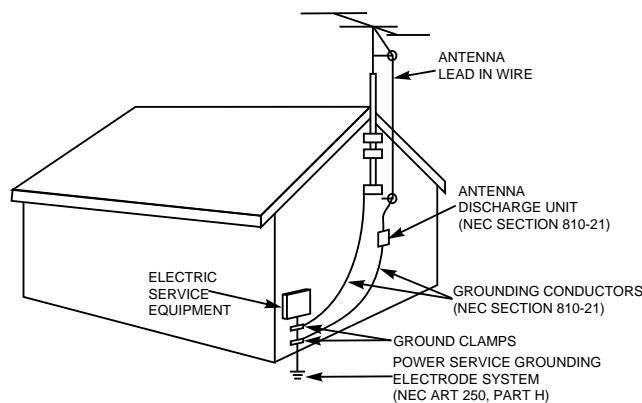
23. Panel protection---The PDP panel used in this product is made of glass. Therefore, it can break when the product is dropped or impacted upon by other objects. Be careful not to be injured by broken glass pieces in case the PDP panel breaks.



24. Pixel defect---The PDP panel is a very high technology product, giving you finely detailed pictures. 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.

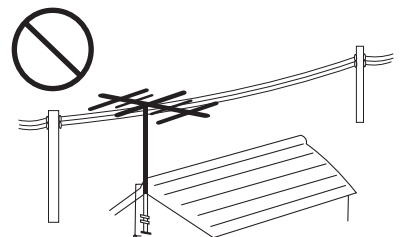
■ If an outside antenna is connected to the television equipment, be sure the antenna system is grounded so as to provide some protection against voltage surges and built-up static charges. Section 810 of the National Electrical Code provides information with respect to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna-discharge unit, connection to grounding electrodes, and requirements for the grounding electrode. (America only)

EXAMPLE OF ANTENNA GROUNDING AS PER NATIONAL ELECTRICAL CODE



NEC---NATIONAL ELECTRICAL CODE

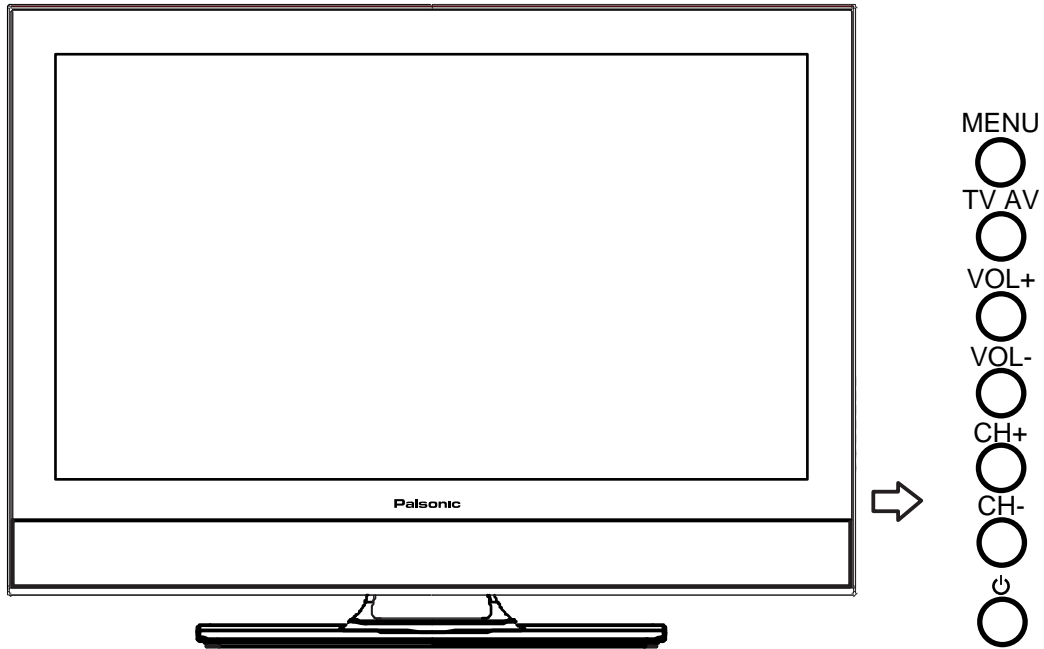
■ An outside antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits, or where it can collide with such power lines or circuits. When installing an outside antenna system, extreme care should be taken to keep from touching such power lines or circuits, as contact with them might be fatal.



Introduction

Front Panel

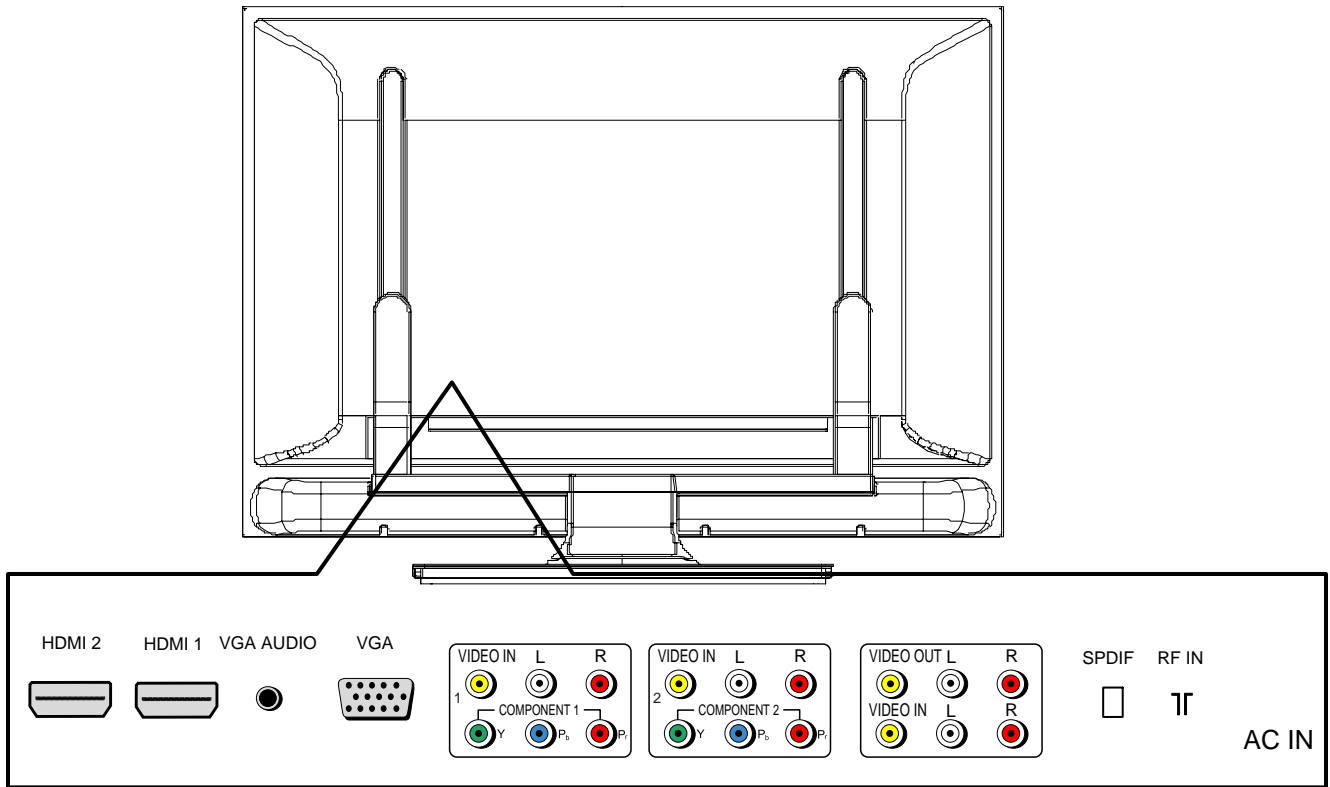
- The pictures are for function illustration purpose only.
- Here shown may be somewhat different from your TV.
- Please take the TV as the standard.



ITEM /BUTTON NAME	FUNCTION DESCRIPTION
TV AV	Press to select the input source.
MENU	Press to bring up the main menu to the screen.
VOL +/ VOL-	Press to increase or decrease the sound level.
CH +/ CH -	Press to scan through channels.
STANDBY	Switch on the PDP4280HD TV when at standby mode or vice versa.
POWER INDICATOR	Shows red in standby mode, shows green when your TV is switched on.
INFRARED SENSOR	Infrared sensor for the remote control.

Introduction (continued)

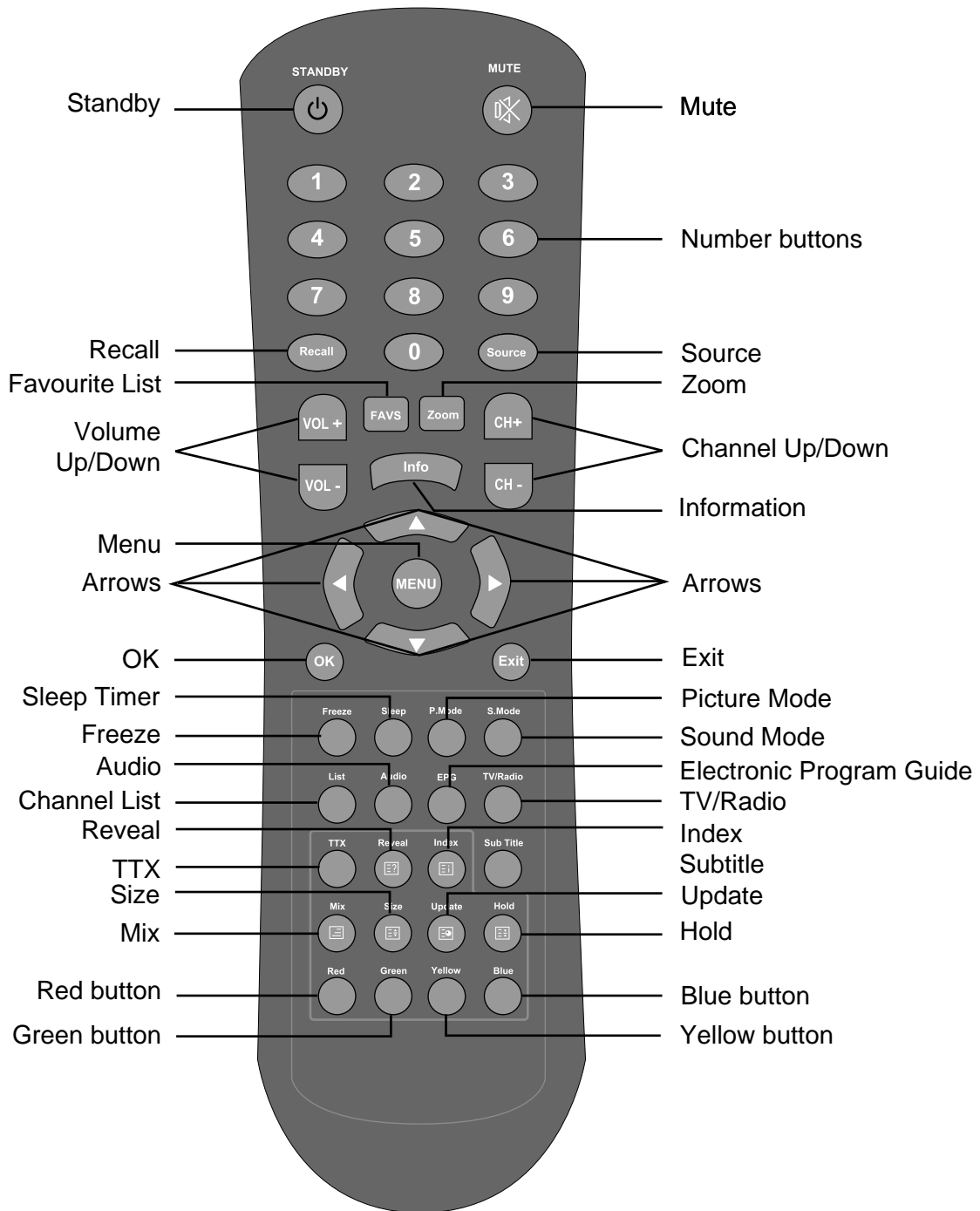
Rear Panel



JACK NAME	FUNCTION DESCRIPTION
AC IN	AC power input for PDP4280HD TV
RF IN	Connect the antenna
SPDIF	Port for TV audio output
R/L VIDEO OUTPUT	AV audio video signal output terminal
R/L VIDEO IN 1 2 3	AV audio video signal input terminal
COMPONENT 1 2	Connect the YPbPr output terminals of DVD
VGA	Connect the VGA output jack of PC
VGA AUDIO	Connect the Audio output jack of PC
HDMI 1 2	Connect the HDMI output jack of DVD

Introduction

Remote Control Overview



Basic Operation

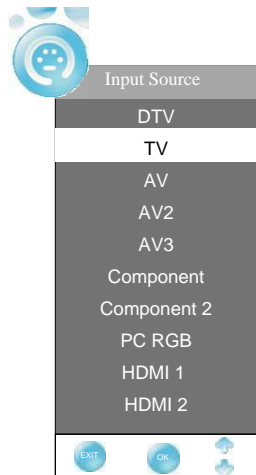
Power On/Off

1. Connect the TV unit to power source using power cord.
2. When the power indicator in red, the TV is in standby mode. Now press the "POWER" button on remote control or front panel to turn on the TV. The TV works normally when the power indicator is in green.
3. Switch the TV to standby mode, just press "POWER" button on the remote control or front panel. Now the indicator will be in red.
4. The power consumption is less than 1W in standby mode. If unused for a long time, please disconnect the power cord from the wall outlet.

Note: The TV set can turn off automatically after 5 minutes while there has no signal input.

Select Viewing Source

Press the "SOURCE" button to display the sources list.



Please use the direction buttons to select desired signal, and press "OK" or "◀/▶" button to confirm.

Note:

Please make sure the connection for your choice is available.

For example, "TV" for watching TV, "VGA" for PC .If the TV can't find any signal input, you can try to press "POWER" button on remote control or the on the panel to restart the TV.

Menu Operation

If you want to adjust the display settings, please follow the instruction below.

Press the "MENU" and "◀/▶" buttons to browse the Channel Menu, Picture Menu, Sound Menu, Time Menu, Option Menu and Lock Menu in turn.

Press "OK" or "▼" button to enter into the submenu.

Press "▲/▼" button to select items and "◀/▶" button to adjust it.

Press "MENU" button to return to previous menu.

Press "EXIT" button to exit "MENU" mode.

Note: When an item in MENU is displayed as grey it means that the item is not available or cannot be adjusted.

Channel Menu

Press "MENU" and "▲/▼" buttons to select the CHANNEL MENU

Press "OK" or "▼" button to select the items.

Press "▶" and "OK" to enter the Submenu.



Auto Tuning

Press "◀/▶" and "OK" to select Start.

Press "OK" button to enter "Auto Searching", the TV will search channels automatically.

All channels will be saved once searching finished.

In the course of auto searching, you can press "EXIT" to stop the searching process.

Note: If it is the first time installation it will start with Installation Guide Menu.



Menu Operation (continued)

Channel Menu

DTV Manual Tuning (only available in DTV mode)

You can also set program list again one by one by "Manual Search" function.

Press "◀/▶" button to select channel.

Press "OK" button to search.

When a channel is found, the searching process will stop, the channel will be saved with current channel number

If the program is not your expected one, please press

"▲/▼" button to continue the searching.

Press "EXIT" button to exit.



ATV Manual Tuning (only available in TV mode)

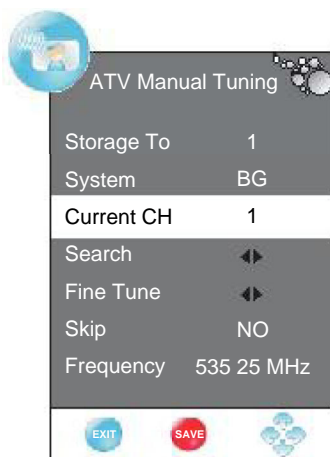
If you find one channel is a little weak, you can adjust the frequency of the channel. It might be improve the quality of picture and sound.

Press "◀/▶" button to select items.

Press "▲/▼" button to adjust it.

Press the red button to save it.

Press "EXIT" button to exit.



Programme Edit

Press "▲/▼" button to select items.

Press red button to delete the channel.

Press green button to rename the channel.

Note: Only the TV channel can be renamed.

Press "◀/▶" to select the letter and press "▲/▼" to change the letter.

Press yellow button to move the channel.

Note: The list of programs include TV DTV and Radio.

The programs can be moved only among the same kind.

Press SKIP button to skip the channel

Press FAV button to set the favourite channel.

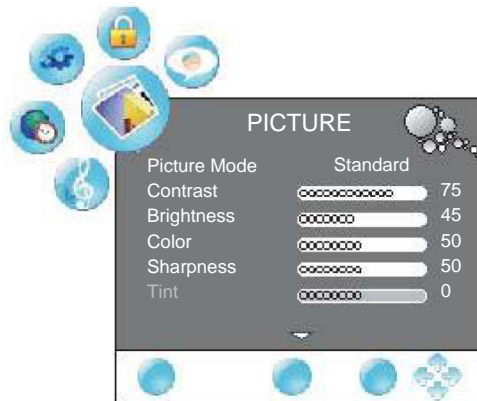


Menu Operation (continued)

Picture Menu

Press "MENU" and "◀/▶" buttons to select the PICTURE MENU.

Press "▲/▼" button to select items.



Picture Mode

Press "◀/▶" button to select among Dynamic Standard Mild and User modes.

Contrast

Press "◀/▶" button to adjust the contrast of the picture.

Brightness

Press "◀/▶" button to adjust the brightness of the picture.

Color

Press "◀/▶" button to adjust the colour saturation.

Sharpness

Press "◀/▶" button to adjust the sharpness level of the picture.

Tint

Press "◀/▶" button to adjust the tint of the picture (NTSC ONLY).

Color Temperature

Press "◀/▶" button to select among medium warm and cool.

Aspect Ratio

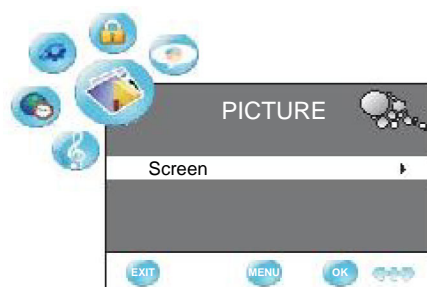
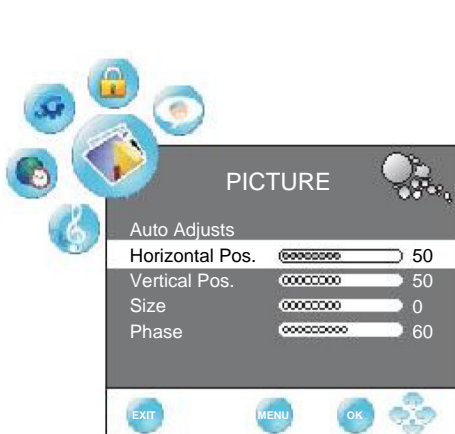
Press "◀/▶" button to select the ratio of the screen.

Noise Reduction

Press "◀/▶" button to turn on off the function of noise reduction.

Screen (only available in PC*RGB mode)

Press "▶" buttons to enter the submenu.



Press "▲/▼" button to select items

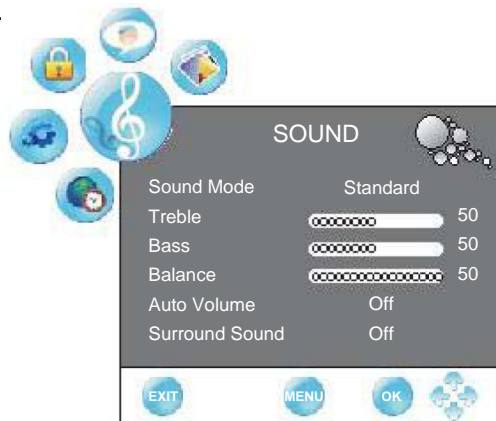
Press "◀/▶" button to adjust it.

Press "EXIT" button to exit.

Menu Operation (continued)

Sound Menu

Press "MENU" and "◀/▶" buttons to select the SOUND MENU.
Press "▲/▼" button to select items.



Sound Mode

Press "◀/▶" button to select among Standard Music Movie Sports and User.

Treble

Press "◀/▶" button to adjust the level of the higher pitcher sounds.

Bass

Press "◀/▶" button to adjust the level of the lower pitcher sounds.

Balance

Press "◀/▶" button to adjust the audio output between left and right speakers.

Auto Volume

Press "◀/▶" button to turn on off the function of auto volume.

Surround Sound

Press "◀/▶" button to turn on off the function of surround sound.

Time Menu

Press "MENU" and "◀/▶" buttons to select the TIME MENU.
Press "▲/▼" button to select items



Clock

Display the system time get from DTV signal or set the system time.

Note: Clock cannot be modified once obtain the local time from DTV channel.

Sleep Timer

Press "◀/▶" button to set the sleep timer.

Time Zone

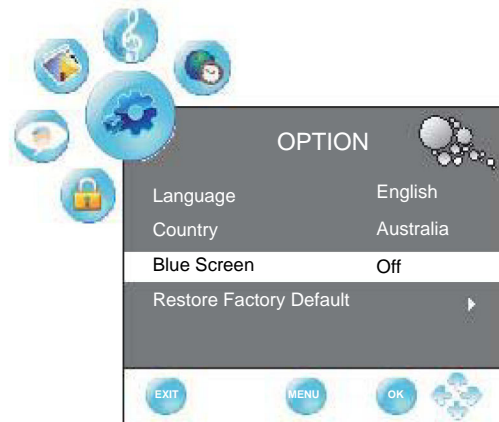
Press "◀/▶" button to set the time zone.

Menu Operation (continued)

Option Menu

Press "MENU" and "◀/▶" buttons to select the OPTION MENU.

Press "▶" or "OK" to enter the Submenu.



Blue Screen

Press "◀/▶" button to turn on off the function of blue screen.

With this function on when no signal is received in analog TV mode, the TV will display a mild blue screen.

Restore Factory Default

Enter the password. (Default password is 0000)

Press "◀/▶" button to select yes/no

Press "EXIT" button to exit.



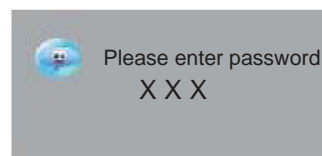
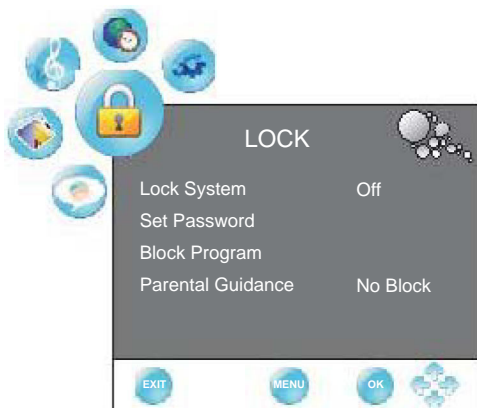
Lock Menu

Press "MENU" and "◀/▶" buttons to select the LOCK MENU.

Enter the password.(Default password is 0000)

Press "▲/▼" button to select items.

Press "▶" or "OK" to enter the Submenu.



Lock System

Press "◀/▶" button to turn on off the function of Lock System.

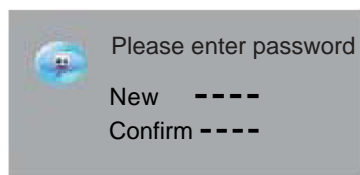
Menu Operation (continued)

Lock Menu

Set Password

Press number buttons to enter the new password.

Note: If you forgot the password Please enter the super code 1090.



Block Program (Only available in TV mode)

Press "▲/▼" to select the items.

Press the green button to lock the channel

Press "EXIT" button to exit.



Parental Guidance (Only available in DTV mode)

Press "▲/▼" button to select the parental guidance rate.

Unique Button Operation

Important Unique Buttons

RECALL

Press "RECALL" button to restore the former channel.

ZOOM

Press "ZOOM" button to select among Auto 4 3 16 9 Zoom1 Zoom2

LIST

Press "LIST" button to display the channel list

Press "CH+/CH-" button to page up or down the channel list.

Press "▲/▼" to select the items.

Press "OK" button to enter the channel.

Press "EXIT" button to exit.

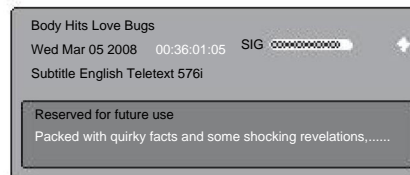
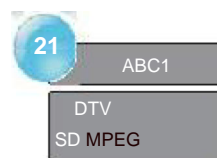


INFO

Press "INFO" button to display the information of current channel.



In TV signal



In DTV signal

SUBTITLE

Press "SUBTITLE" button to select subtitle of current channel (DTV ONLY).

FAVS

Press "FAVS" button to display the favourite list (Except under the TELETEXT mode).

HDMI

Press "HDMI" button to switch the desired HDMI input.

AUDIO

Press "AUDIO" button to select the audio source of current channel.

TV RADIO

Press "TV/RADIO" button to switch between DTV and radio channel (DTV ONLY).

Important Unique Buttons (continued)

Important Unique Buttons

EPG (only available in DTV mode)

Press "EPG" button to display the Electronic Programme Guide

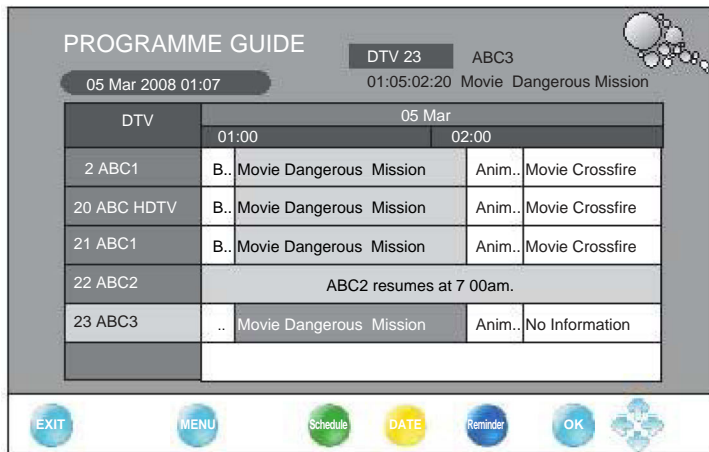
You can check the program information for the next 7 days

(If the information is available from the broadcaster)

Press "▲/▼" button to select the channel.

Press "◀/▶" and yellow button to select the time.

Press INFO button to show the information of the program.



If you find the desired program which will show in the future.

Press blue button to set the Reminder.

When the reminder program is about to start, a reminder window will appear.



Press green button to show the schedule list and red button to delete the program.



Teletext

Teletext is an information system broadcast by certain channels which can be consulted like a newspaper. It also offers access to subtitles for viewers with hearing problems or who are not familiar with the transmission language (cable networks, satellite channels, etc.).

TEXT

Press the TEXT button to activate the Teletext mode.

MIX

Press MIX button to view the TV program with teletext page.
You can return to normal viewing by press the "MIX" button.

INDEX

Press INDEX button to enter the teletext index page.

SIZE

Repeatedly pressing the SIZE button doubles the character size in the following order:
Upper half of the page-> Lower half of the page-> Return to normal size.

REVEAL

Press the REVEAL button once to reveal hidden information (solutions to puzzles, riddles, etc).
This button is applicable only to teletext page with puzzles, riddles, etc.

SUBPAGE

Some teletext may contain several sub-pages which are automatically paged in a certain cycle by the TV station.

You can enter to a certain sub page by pressing the SUBPAGE button directly and select the page number with number buttons.

Enter the sub page number (e.g. 0003) for the third sub page.

Press the SUBPAGE button again to exit the sub page mode.

Press the Text button to return to the normal TV mode.

COLOUR BUTTONS

A red, green, yellow and blue field are shown at the bottom of the screen.

HOLD

Press the HOLD button once to hold page and the second time to release holding of page.

UPDATE

Press the UPDATE button to update the current information.

Selecting a page by numeric buttons directly

You can select a page by numeric buttons directly in TEXT mode.

PAGE DOWN/UP

Use the "▲/▼"direction buttons to page up/down.

Troubleshooting

Before calling for repair service, check the following items for possible remedies to an encountered symptom.

Symptoms	Check item
"Ghost" or double images	<ul style="list-style-type: none"> ■ This may be caused by obstruction to the antenna due to high rise buildings or hills. Using a highly directional antenna may improve the picture.
No power	<ul style="list-style-type: none"> ■ Check that the AC power cord is plugged into the mains socket. ■ Unplug the power cord, wait for 60 seconds. Then reinsert plug into the mains socket and turn on the unit again.
No picture	<ul style="list-style-type: none"> ■ Check antenna connections at the rear of the unit to see if it is properly connected to the unit. ■ Possible broadcast station trouble. Try another channel. ■ Adjust the contrast and brightness settings. ■ Select a correct input. ■ Is a non-compatible signal being input?
Good picture but no sound	<ul style="list-style-type: none"> ■ Increase the VOLUME. ■ Check that the unit is not muted.
Good sound but poor colour	<ul style="list-style-type: none"> ■ Adjust the contrast, colour and brightness settings.
Poor picture	<ul style="list-style-type: none"> ■ Sometimes, poor picture quality occurs when having activated an S-VHS camera or camcorder connected and having connected another peripheral at the same time. In this case, switch off one of the other peripherals. ■ Check whether the room is too bright.
Horizontal dotted line	<ul style="list-style-type: none"> ■ This may be caused by electrical interference (e.g. hair dryer, nearby neon lights, etc.) ■ Turn off the equipment.
Television not responding to remote control	<ul style="list-style-type: none"> ■ Check whether the batteries are working. Replace if necessary. ■ Clean the remote control sensor lens on the unit. ■ Do not use the remote control under strong or fluorescent lighting. ■ The batteries should be inserted with polarity (+, -) aligned.
Snowy picture and noise	<ul style="list-style-type: none"> ■ Check the antenna connection.
No stable or not synchronised D-Sub picture	<ul style="list-style-type: none"> ■ Check if you have selected the correct D-Sub mode in your PC.
Control buttons do not work	<ul style="list-style-type: none"> ■ Unplug the power cord, wait for some seconds. Then re-plug the power cord and turn on the unit again.

Note:

If your problem is not solved, restart your TV by turning it off and then on again once. Never attempt to repair a defective TV yourself.

Care and Maintenance

Do not use in hot or cold rooms (locations)

- When the unit is used in rooms (locations) with low temperature, the picture may leave trails or appear slightly delayed. This is not a malfunction, and the unit will recover when the temperature returns to normal.
- Do not leave the unit in a hot or cold location. Also, do not leave the unit in a location exposed to direct sunlight or near a heater, as this may cause the cabinet to deform and the PDP panel to malfunction.
(Storage temperature: 0°C to +50°C Working temperature: 5°C to +40°C)

PDP Display Panel

Symptoms	Check item
Some parts of the screen do not light up.	The plasma display panel is manufactured using an extremely high level of precision technology, however, sometimes some parts of the screen may be missing picture elements or have luminous spots. This is not a malfunction.
After-images appear	Do not allow a still picture to be displayed for an extended period, as this can cause a permanent after-image to remain on the Plasma Display. Examples of still pictures include logos, video games, computer images, teletext and images displayed in 4:3 mode. Note: The permanent after-image on the Plasma Display resulting from fixed image use is not an operating defect. This product is not designed to display fixed images for extended periods of time.
Snapping sounds may be heard from the display unit.	This sound is produced when the cabinet expands or contracts due to variations in temperature and is not a malfunction.

Cleaning and Maintenance

The front of the display panel has been specially treated. Wipe the panel surface gently using only a cleaning cloth or a soft, lint-free cloth.

- If the surface is particularly dirty, soak a soft, lint-free cloth in a weak detergent solution and then wring the cloth to remove excess liquid. Use this cloth to wipe the surface of the display panel, and then wipe it evenly with a dry cloth, of the same type, until the surface is dry.
- Do not scratch or hit the surface of the panel with fingernails or other hard objects. Furthermore, avoid contact with volatile substances such as insect sprays, solvents and thinner; otherwise the quality of the surface may be adversely affected.

If the cabinet becomes dirty, wipe it with a soft, dry cloth.

- If the cabinet is particularly dirty, soak the cloth in a weak detergent solution and then wring the cloth dry. Use this cloth to wipe the cabinet, and then wipe it dry with a dry cloth.
- Do not allow any detergent to come into direct contact with the surface of the Plasma Display.
If water droplets get inside the unit, operating problems may result.
- Avoid contact with volatile substances such as insect sprays, solvents and thinner, otherwise the quality of the cabinet surface may be adversely affected or the coating may peel off. Furthermore, do not leave it for long periods in contact with articles made from rubber or PVC.

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