PLANAR

PD42ED

Plasma TV

USER'S GUIDE

www.planar.com

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Contents

Important Information 1
Safety Precautions 2
Product Features 3
Content of Package 4
Quick Start 6
    Front Panel 6
    Front Panel Controls 7
    Rear Panel 8
Set-up Instructions 9
    Getting Started 9
    Video/Audio Connection 10
    External Speakers 11
    Other Connections 12
Full Function Remote Control 13
    Remote Control Overview 13
    Using the Remote Control 15
On-Screen Display (OSD) Settings 18
    OSD Menu Overview 18
    OSD Menu Operation 19
        Display Settings 20
        Image Settings 20
        Language and Color Temp. 21
        Audio Settings 21
        OSD Window Settings 22
        Advanced Settings 23
        Advanced Settings 24
Parental Control 25
    V-Chip Setup 25
    Change Password 28
Closed Caption 29
    Using Closed Caption 29
Technical Information 30
    Specifications 30
    Video Modes 32
Troubleshooting 33
Planar Customer First™ 1—Year Warranty 36
Maintenance Guidelines 40
Regulatory Information 41
    Agency Approvals 41
    FCC Information 41

Important Information

"CAUTION: If the same image is displayed continuously, a permanent image may remain on the screen. This is due to burning of the fluorescent material and is typical for all Plasma displays. To minimize this, use at least the display picture move feature, selectable through the on-screen display adjustment menu (OSD)."

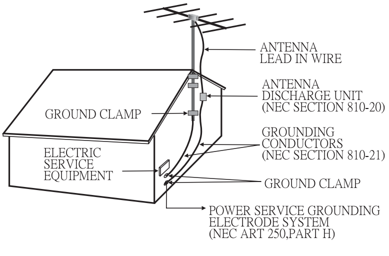
Warning: To reduce the risk of fire or electric shock, do not expose this product to rain or moisture.

CAUTION
Risk of electric shock. Do not open.

Caution: To reduce the risk of electric shock, do not remove cover (or back). No user-serviceable parts inside. Refer servicing to qualified service personnel.

Note to CATV system installer: This reminder is provided to call CATV system installer's attention to Article 820-40 of the National Electrical Code (Section 54 of Canadian Electrical Code, Part 1), that provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building as close as to the point of cable entry as practical.

Example of antenna grounding as per National Electrical Code is as the following picture.


ANTENNA LEAD IN WIRE
ANTENNA DISCHARGE UNIT (NEC SECTION 810-20)
GROUND CLAMP
GROUNDING CONDUCTORS (NEC SECTION 810-21)
ELECTRIC SERVICE EQUIPMENT
GROUND CLAMP
POWER SERVICE GROUNDING ELECTRODE SYSTEM (NEC ART 250,PART H)
NEC-NATIONAL ELECTRICAL CODE

Caution: FCC/ CSA regulations state that any unauthorized changes or modifications to this equipment may void the user's authority to operate it.

Important: One Federal Court has held that unauthorized recording of copyrighted TV programs is an infringement of U.S. copyright laws. Certain Canadian programs may also be copyrighted and any unauthorized recording in whole or in part may be in violation of these rights.

Safety Precautions

1. Read these instructions.

2. Keep these instructions.

3. Heed all warnings.

4. Follow all instructions.

5. Do not use this apparatus near water.

6. Clean only with dry cloth.

7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.

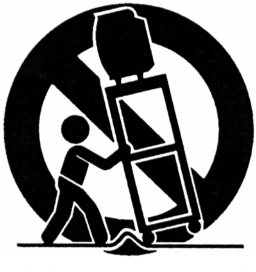
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.

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

10. 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. Only use attachments/accessories specified by the manufacturer.

12. Use only with a cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.



13. Unplug this apparatus during lightning storms or when unused for long period of time.

14. 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 galled into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

15. Apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on the apparatus.

Product Features

The Product features include:

- **Built-in Screen Move:** Screen move feature to reduce the possibility of screen burn.
- **3-D Digital Comb Filter:** Enhances color purity of Composite Video and TV input sources, reducing cross-color artifacts like dot crawl and moiré.
- **Wide Viewing Angle:** Over 160 degrees (horizontal and vertical) viewing angle.
- **Picture in Picture:** Users may simultaneously watch two images from different video sources.
- **Channel Memory:** Allows users to add and remove channel according to personal preference.
- **16:9 Enhancement:** Widescreen technology that maximizes picture quality when playing widescreen enhanced video.
- **Parental Control:** V-Chip technology allows parents to block unsuitable programming for under age viewers.
- **Color Temperature:** 3 user selectable color temperature settings are available for image optimization.
- **D-Sub 15 VGA Input:** Allows users to connect the computer to the plasma TV to use the plasma TV as a computer monitor.
- **Digital Visual Interface (DVI):** This product is equipped with a DVI-D interface for a digital-to-digital connection.
- **TV Tuner Built-in:** Built-in NTSC tuner to receive conventional analog broadcasts; de-interlacing circuit with 3:2 pull down converting interlaced analog sources to the progressive-scan display, significantly improving picture quality
- **Built-in TV Video and Audio Out:** Outputs TV video/audio signal to an external device.
- **Built-in Speakers:** Built-in stereo speakers with 3 watts per channel.
- **Input Signals**
  - Component Video (YCbCr/ YPbPr)
  - Composite Video
  - S-Video
  - Analog VGA (D-Sub 15pin)
  - Digital DVI
  - RS232 Communication Port (D-Sub 9pin)
  - TV Tuner Built-in

(1) an optional set-top HDTV receiver box is required to receive digital signals

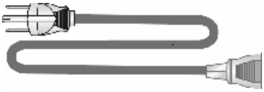
Content of Package

When you are unpacking the product, make sure that you have the following items:

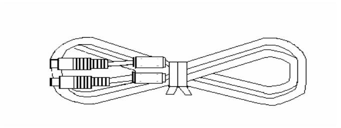
Plasma TV Monitor

Monitor Stand

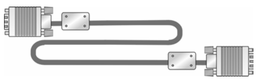
Power cord



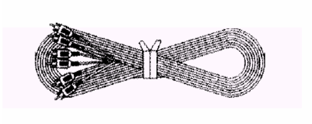
S-Video cable



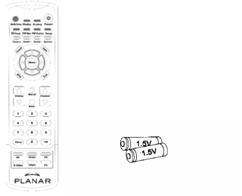
Analog video signal cable
(D-Sub 15 cable)



RCA Video/Audio cable



Remote Control and AAA Battery



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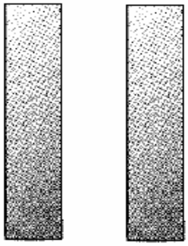
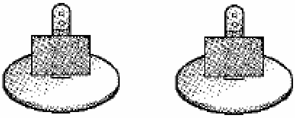
If you find that any of these items are missing or appear damaged, please contact your dealer immediately. Do not throw away the packing material or shipping carton in case you need to ship or store the plasma TV in the future.

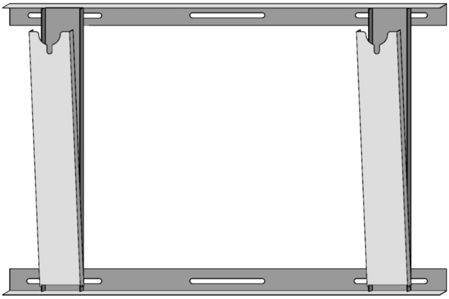
Optional Accessories

External Speakers and Stands

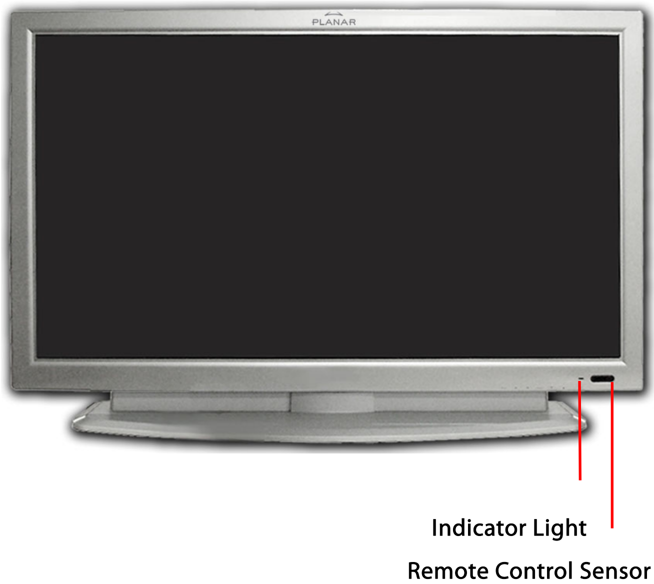




Wall mount bracket



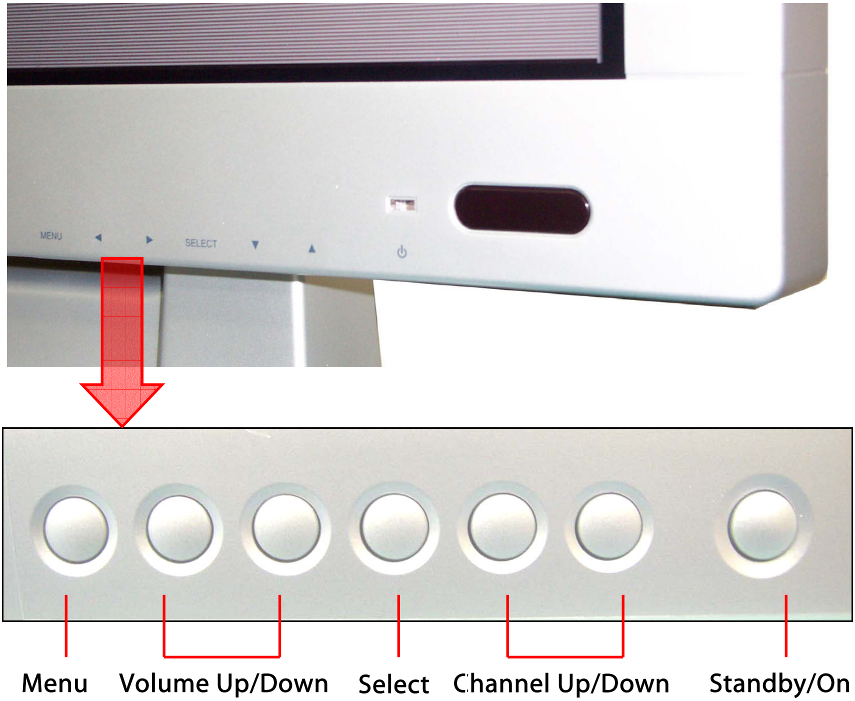
Front Panel


PLANAR
Indicator Light
Remote Control Sensor

- **Remote Control Sensor:** Receives infrared signals from the remote control. Aim the remote control within 30 degrees left and right.

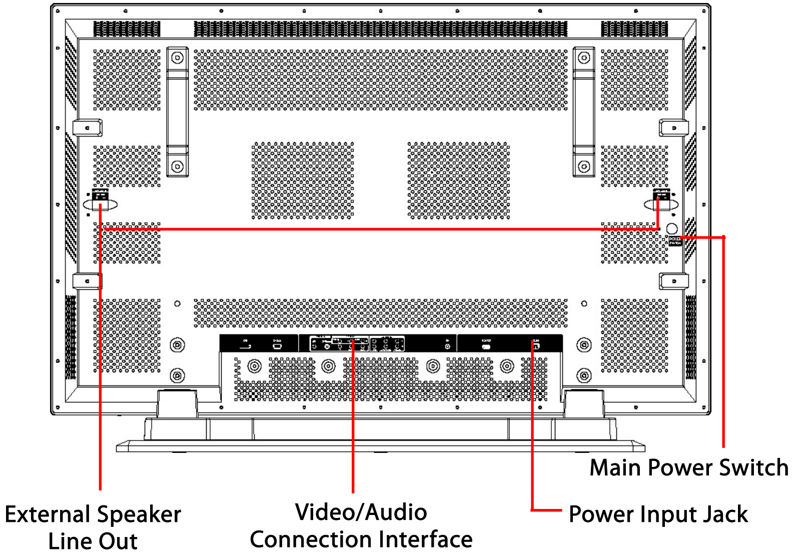
- **Indicator Light:** This LED light indicates the main power status.
  - Indicator (Amber): **Standby** mode
  - Indicator (Blue): **Power ON** mode

Front Panel Controls


MENU
SELECT
Menu
Volume Up/Down
Select
Channel Up/Down
Standby/On

Button	Function
Menu	Displays the OSD menu
Volume Up (▶) Down (◀)	(1) Adjust volume by pressing "◀" to decrease the volume and "▶" to increase the volume (2) Change the configurations under the OSD menu
Select	Switches between signal sources. The signal source selection is in a loop: Composite-Video --> S-Video --> Component-Video --> TV --> ANALOG VGA --> DVI
Channel Up (▲) Down (▼)	(1) Changing channel under TV mode (2) Select options under OSD menu
Standby/On	Power on the plasma TV or change to Standby mode

Rear Panel


Main Power Switch
External Speaker Line Out
Video/Audio Connection Interface
Power Input Jack

- **Video/Audio Connection Interface:** Video connection includes Component Video, Composite Video, S-video, DVI, D-Sub 15, TV Tuner, and TV Video/Audio Out.

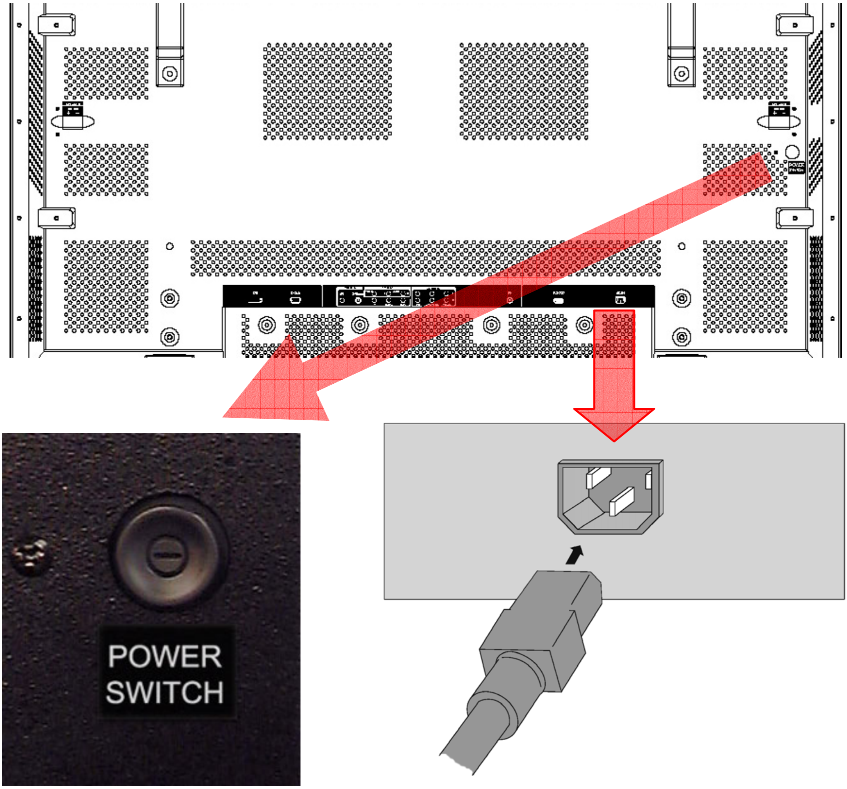
- **Main Power Switch:** Master power switch to switch the plasma TV between Power Off mode and Standby mode.

- **Power Input Jack:** Power source for the plasma TV.

- **External Speaker Line Out:** Allows users to connect external speakers to the plasma TV.

Set-up Instructions

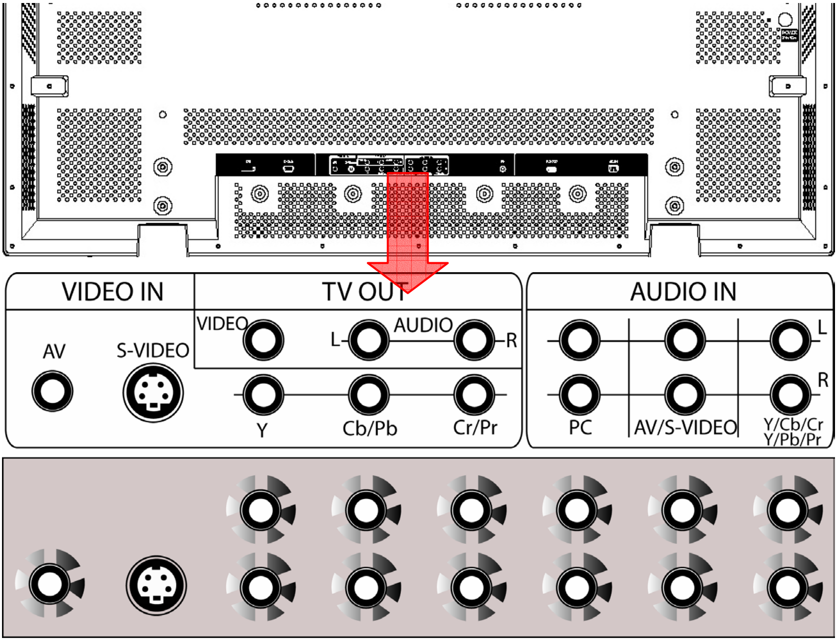
Getting Started



- **Power Input Jack:** Auto switch power supply accepts input of 100 VAC~240 VAC. Use only UL approved power cord with proper grounding.

- **Main Power Switch:** Press the Power Switch on the back of your plasma TV. The Indicator Light on the front will turn to Amber color indicating the plasma TV is in Standby mode. If the plasma TV will not be used for an extended period of time, turn off your plasma TV with the Main Power Switch.

Video/Audio Connection



- **Composite (AV) Input:** Single RCA connector to connect with the composite video output of a DVD Player, VCR or any other device with a composite video connection.

- **S-Video Input:** Single S-video connector to connect with the S-video output of a DVD Player, VCR or any other device with a S-video connection.

- **Component Video Input:** 3 RCA connectors to connect with the component video output of a DVD player, DTV receiver or any other device with a component connection.

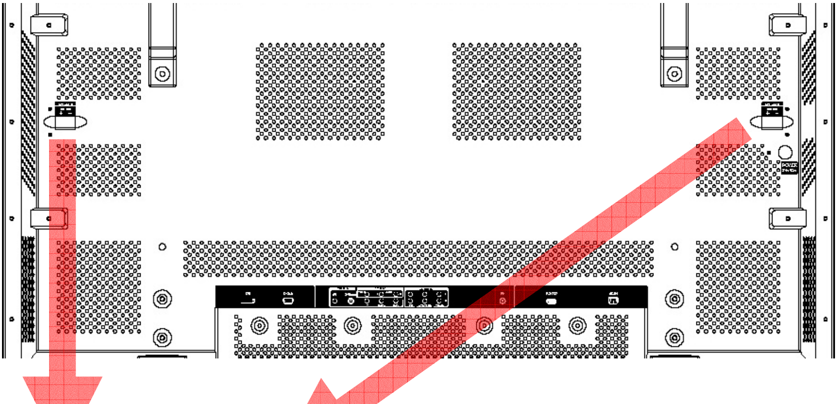
- **Composite (AV)/S-Video Audio:** 2 RCA connectors to connect with the audio output of the composite or s-video source.

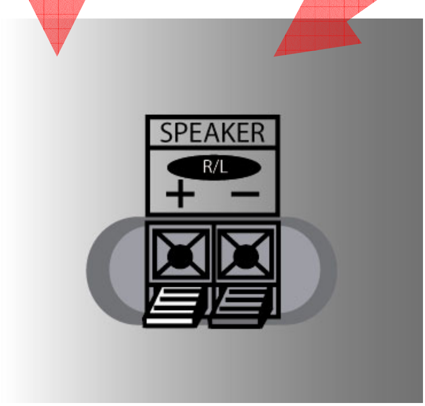
- **Component Audio:** 2 RCA connectors to connect with the audio output of the component Y/Cb/Cr or Y/Pb/Pr source.

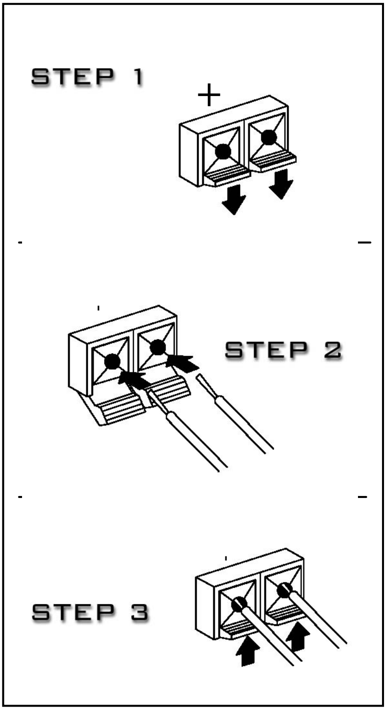
- **PC Audio:** 2 RCA connectors to connect with the audio output of a PC.

- **TV Video/Audio Out:** 3 RCA connectors (1 video and 2 audio) that output the TV video and audio signals to an external device.

External Speakers

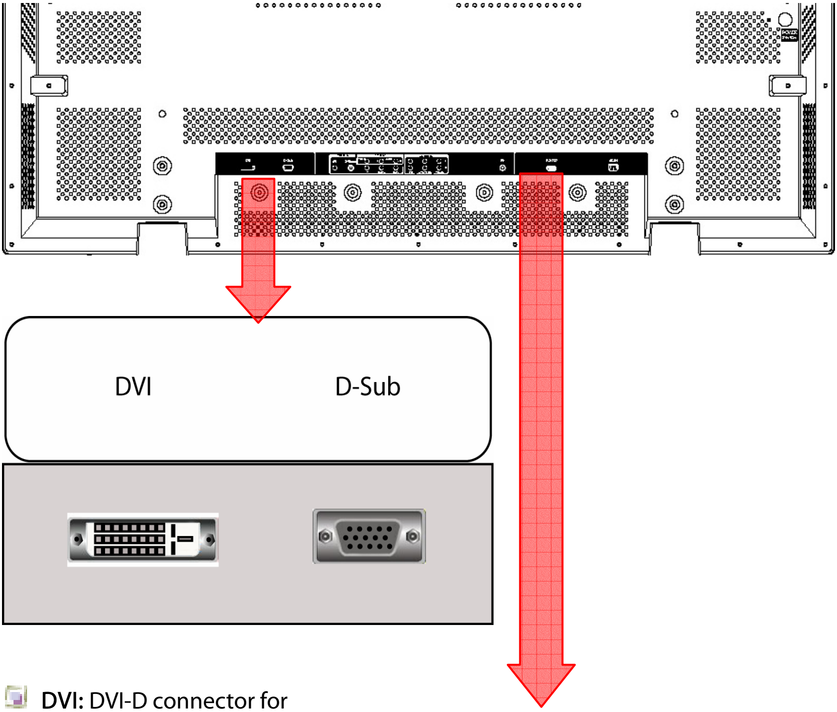


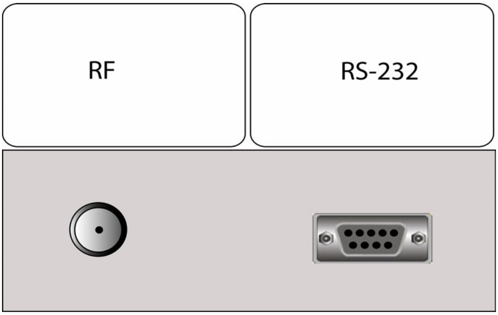



STEP 1
+
STEP 2
STEP 3

- **External Speaker Line Out:** External speaker output. Please refer to the drawing for the connection details. It is strongly recommend to use only Planar Accessories for performance and safety purposes.

Other Connections

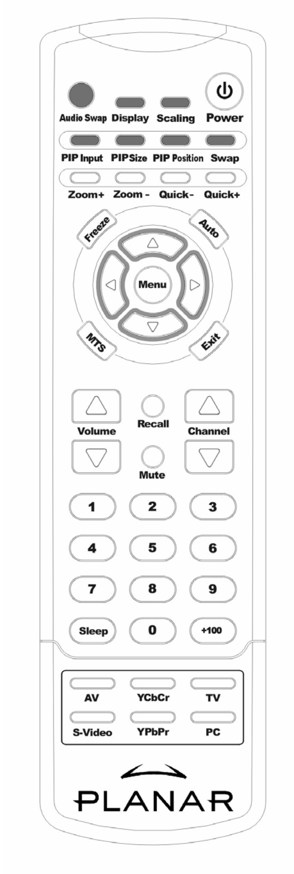




- **DVI:** DVI-D connector for high quality digital PC connection.
- **D-Sub 15:** Regular analog VGA connection for PC usage.
- **RF:** RF input that connects to the antenna, cable box, or CATV cable. Supports NTSC TV system with 125 channels receivable.
- **RS-232:** D-Sub 9 Serial port for communication between the display and the PC.

Full Function Remote Control

Remote Control Overview


Audio Swap
Display
Scaling
Power
PIP Input
PIP Size
PIP Position
Swap
Zoom+
Zoom -
Quick-
Quick+
Freeze
Auto
Menu
MTS
Exit
Volume
Recall
Channel
Mute
1
2
3
4
5
6
7
8
9
Sleep
0
+100
AV
YCbCr
TV
S-Video
YPbPr
PC
PLANAR

1. **Power Button**

   Turns ON or OFF (Standby mode) the Plasma TV

2. **Scaling Button**

   Adjusts image aspect ratio

3. **Display Button**

   Displays status information

4. **Audio Swap Button**

   Switches audio between the main display and the PIP display

5. **Swap Button**

   Switches video between the main display and the PIP display

6. **PIP Position Button**

   Adjusts the position of the PIP display

7. **PIP Size Button**

   Adjusts the size of the PIP display

8. **PIP Input Button**

   Activates the picture in picture display and selects the source of the picture in picture display

9. **Quick+/Quick- Buttons**

   Shortcut to access the product’s features

10. **Zoom +/- Buttons**

    Zooms In or Out on the image

11. **Auto Button**

    Auto adjusts the image

12. **Freeze Button**

    Pauses the image

13. **MTS Button**

    Switches between Mono, Stereo, and SAP

14. **Exit Button**

    Exits the OSD menu or displayed information

15. **Menu Button**

    Activates the OSD menu

16. Up/Down/Left/Right Buttons

Navigation buttons for the OSD menu (**The Right Arrow button also functions as the "ENTER" key**)

17. Channel Up/Down Buttons

Changes TV channels

18. Recall Button

Recalls to the previous channel

19. Mute Button

Mutes the volume

20. Volume Up/Down Buttons

Changes the volume

21. Numbers Buttons

Number keys for channel selection

22. Sleep Button

Sleep timer

23. TV Button

Direct key to the TV mode

24. YCbCr Button

Direct key to the YCbCr mode

25. AV Button

Direct key to the Composite mode

26. PC Button

Direct key to the PC mode

27. YPbPr Button

Direct key to the YPbPr mode

28. S-Video Button

Direct key to the S-Video mode

Using the Remote Control

Inserting Batteries

- Remove the battery cover from the back of the remote control.
- Insert two AAA batteries by matching + and – sign on both batteries to the diagram inside the remote control battery compartment.
- Replace the battery back cover.

Precaution

- Always make sure to have the batteries installed correctly. Incorrect installation can cause damage to the remote control.
- Always replace the batteries in pair. Do not mix an old battery with a new battery. Be sure to use the same type of batteries.
- Remove the batteries when knowing the remote control will not be used for an extended period of time to avoid damage from possible battery leakage.
- To ensure normal operation, the remote control should not be dropped or damaged in any way.

Using the Remote Control

- **Power Button:** Press the Power button to turn ON the TV. The LED indicator will become Blue. Press the button again to turn OFF the TV into Standby mode. The LED indicator will become Amber.
- **Scaling Button:** Press the Scaling button to change the image to different aspects. Aspects include Full, Fill Aspect Ratio, 4:3 to 16:9, Letterbox to 16:9, Letterbox Subtitles to 16:9, One to One.
- **Display Button:** Press the Display button to enable information display such as TV channel or source of connection. Press the button again to turn off the information display.
- **Audio Swap Button:** Press the Audio Swap button to swap the main window’s audio signal source with the PIP window’s audio signal source.
- **Swap Button:** Press the Swap button to swap the main window’s video signal source with the PIP window’s video signal source.
- **PIP Position Button:** Press the PIP Position button to cycle through 9 different PIP window positions.

- **PIP Size Button:** Press the PIP Size button to select through 3 different PIP window sizes.
- **PIP Input Button:** Press the PIP Input button to activate the PIP window. Pressing the PIP Input button will cycle the PIP window through all available input sources. The PIP window will deactivate once it cycles through all inputs. Note: The PIP input source cannot be the same with the main window's input source.
- **Quick+/Quick- Buttons:** Shortcut to access the Brightness, Contrast, Volume, Treble, Bass, and Balance adjustment. Make selection by pressing + and – and use Volume Up/Down to change the setting. Press repeatedly to circle through the selections.
- **Zoom +/- Buttons:** Zoom in on the image by pressing the Zoom + button and press the Zoom – button to zoom out.
- **Auto Button:** When the image is not even or not in the center of the screen under PC mode, press Auto button for auto adjustment.
- **Freeze Button:** Freeze button allows the user to temporarily pause the current image displayed. Press to freeze the image. Press again to restore the picture.
- **MTS Button:** Press MTS button to select Mono, Stereo, and SAP (Second Audio Program) under TV mode.
- **Exit:** Press to exit the OSD menu.
- **Menu Button:** Press to access the OSD menu for features adjustment.
- **Up/Down/Left/Right Buttons:**
  - Press the Up/Down/Left/Right buttons to select the options under OSD menu.
  - Press the Right button to change the setting.
- **Channel Up/Down Buttons:**
  - Press the Channel Up/Down buttons to switch to TV mode when under video mode.
  - When TV is the PIP window's input source, users may press Up/Down or Number buttons to change the channel directly.
- **Recall Button:** Press to jump back and forth between two channels.
- **Mute Button:** Press to mute the volume. Press again to restore the volume.
- **Volume Up/Down Buttons:**
  - Press the Volume Up button to increase the volume.
  - Press the Volume Down button to decrease the volume.

- **Number Buttons:** Use Number buttons to choose specific channel. For example, to select channel 27, first press 2 and then press 7. For channel 101, first press +100 and then press 0 and 1.
- **Sleep Button:** Press the sleep button repeatedly to set the sleep timer to 30, 60, 90, and 120 minutes.
- **TV Button:** Press to switch directly to the TV mode.
- **YCbCr Button:** Press to switch directly to Component YCbCr mode.
- **AV Button:** Press to switch directly to Composite mode.
- **PC Button:** Press to switch directly to PC mode. Press again to change between D-Sub 15 and DVI mode.
- **YPbPr Button:** Press to switch directly to Component YPbPr mode.
- **S-Video Button:** Press to switch directly to S-Video mode.

On-Screen Display (OSD) Settings

OSD Menu Overview

PC Mode

Display	Image	Audio	Language and Color Temperature	OSD Info	Video Format
Reset	Image Scaling	Mute	Language	OSD Position	Format
Brightness		Volume	Color Temperature	OSD Timeout	PIP Set
Contrast		Treble	Red	OSD Background	Advance
H. Position		Bass	Green	Move Screen Mode	Power Management
V. Position *		Balance	Blue	Move Screen Time	
Phase Adjust *		Speaker		System Reset	
Clock Adjust *					

* Note: This function is only available under analog VGA.

Video Format

Video Format
Resolution
V. Freq.
H. Freq.
PIP Signal

PIP Set

Video Format
PIP Size
PIP Source
PIP Position
PIP Brightness
PIP Contrast
PIP Saturation
PIP Swap

TV Channel Setup

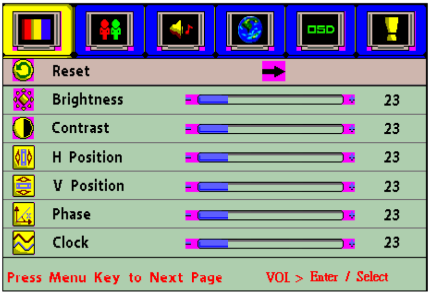
Video Format
TV Source
Channel Auto Search
Channel Edit
Channel Add/Erase

Audio/Video Mode

Display	AV System	Audio	Language and Color Temperature	OSD Information	Video Format
Reset	Format AUTO	Mute	Language	OSD Position	Format
Brightness	NTSC-M	Volume	Color Temperature	OSD Timeout	Advance
Contrast	NTSC-Japan	Treble	Red	OSD Background	PIP Set
Saturation	PAL	Bass	Green	Move Screen Mode	TV Channel Setup
Hue	SECAM	Balance	Blue	Move Screen Time	
Sharpness	Scaling	Speaker		System Reset	

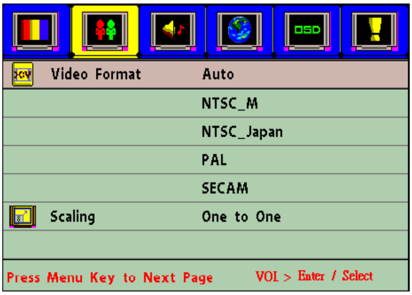
OSD Menu Operation

How to Operate?



Reset	➡
Brightness	23
Contrast	23
H Position	23
V Position	23
Phase	23
Clock	23

OSD
Press Menu Key to Next Page
VOL > Enter / Select



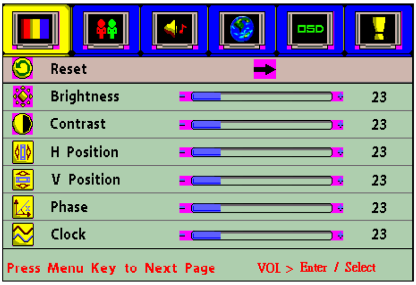
Video Format	Auto
	NTSC_M
	NTSC_Japan
	PAL
	SECAM
Scaling	One to One

OSD
Press Menu Key to Next Page
VOL > Enter / Select

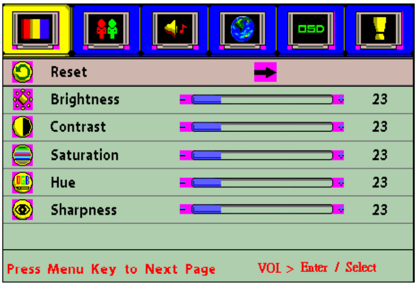
- Press Menu button to enter OSD Menu. Refer to the picture above; there are six icons on the top and seven options to choose from. For the top icons, icon highlighted in yellow is the one being selected. To change to different icon simply press Menu button repeatedly until correct icon is being selected. To access the options simply press Up/Down button until reaches the correct option and then use Right buttons to change the settings.

Display Settings

PC


Reset
Brightness 23
Contrast 23
H Position 23
V Position 23
Phase 23
Clock 23
Press Menu Key to Next Page
VOL > Enter / Select

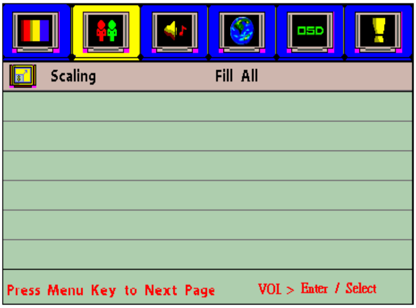
Video


Reset
Brightness 23
Contrast 23
Saturation 23
Hue 23
Sharpness 23
Press Menu Key to Next Page
VOL > Enter / Select

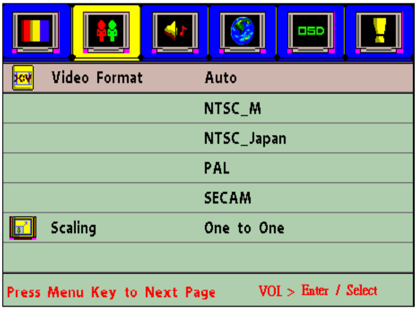
- The Reset function works the same under both PC mode and Video mode. Use Reset function to recall factory setting.
- When under PC mode, user may adjust Brightness, Contrast, H/V Position, Phase, Clock, and Reset.
- When under Video mode, user may adjust Brightness, Contrast, Saturation, Hue, Sharpness and Reset.

Image Settings

PC


Scaling Fill All
Press Menu Key to Next Page
VOL > Enter / Select

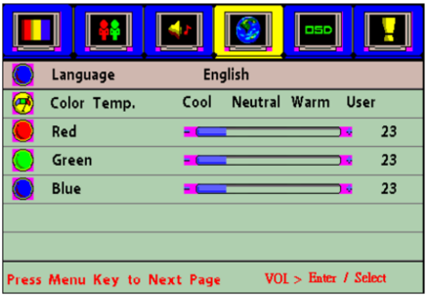
Video


Video Format Auto
NTSC_M
NTSC_Japan
PAL
SECAM
Scaling One to One
Press Menu Key to Next Page
VOL > Enter / Select

- Normally PC outputs 4:3 aspect ratios. When under PC mode, user may choose between having the image fill the whole screen or one to one.
- When under Video mode, user may select different signal format. But it is recommend to set at Auto for auto detect.
- When under Video mode, user may choose different aspect ratios including Full, Fill Aspect Ratio, 4:3 to 16:9, LB to 16:9, LB Subtitles to 16:9, One to One.

Language and Color Temp.

PC/Video



Language English

Color Temp. Cool Neutral Warm User

Red 23

Green 23

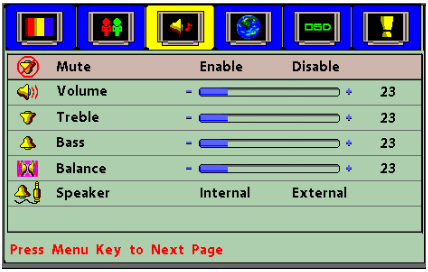
Blue 23

Press Menu Key to Next Page VOL > Enter / Select

- Image color and language functions and selections are identical for both PC mode and Video mode. For OSD language item, user may select from 10 different languages including English, German, French, Italian, Spanish, Portuguese, Netherlands, Traditional Chinese, Simplified Chinese, and Japanese.
- For the image color, user may adjust the luminance of R/G/B colors and color temperature. When selecting "Cool", "Neutral", and "Warm" for the Color Temperature, R/G/B colors will be disabled.

Audio Settings

PC/Video



Mute Enable Disable

Volume 23

Treble 23

Bass 23

Balance 23

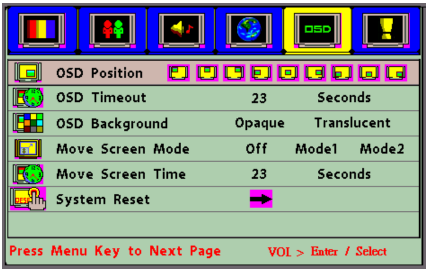
Speaker Internal External

Press Menu Key to Next Page

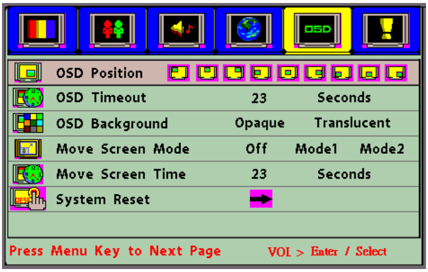
- Audio functions and selections are identical for both PC mode and Video mode. User may adjust Mute, Volume, Treble, Bass, Balance, and Speaker from this menu. Most of the functions in this menu can also access by using Quick +/- button on the remote control.

OSD Window Settings

PC/Video


OSD
OSD Position
OSD Timeout 23 Seconds
OSD Background Opaque Translucent
Move Screen Mode Off Mode1 Mode2
Move Screen Time 23 Seconds
System Reset
Press Menu Key to Next Page
VOL > Enter / Select

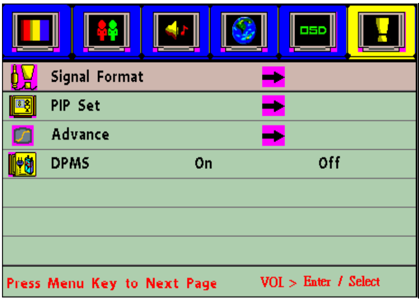
- This menu is for adjusting the OSD menu window. User may change OSD Position, OSD Timeout, OSD Background, and System Reset for back to default.


OSD
OSD Position
OSD Timeout 23 Seconds
OSD Background Opaque Translucent
Move Screen Mode Off Mode1 Mode2
Move Screen Time 23 Seconds
System Reset
Press Menu Key to Next Page
VOL > Enter / Select

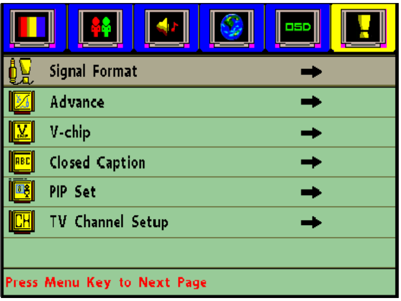
- The screen move feature decreases chance of image burn. When a static image is being displayed on the screen for an extended period of time, enable the “move screen mode” feature to protect the screen.
- Under move screen mode, user may select from 3 different types including off, mode1, and mode2.
- For move screen time item, user may adjust the length of time between the images from 5 to 255 sec.

Advanced Settings

PC

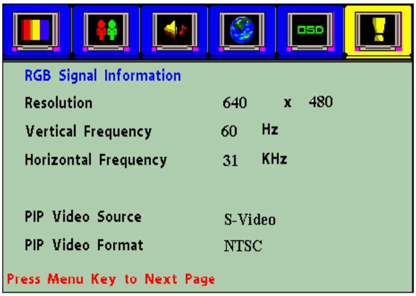

OSD
Signal Format
PIP Set
Advance
DPMS
On
Off
Press Menu Key to Next Page
VOL > Enter / Select

Video


OSD
Signal Format
Advance
V-chip
Closed Caption
PIP Set
TV Channel Setup
Press Menu Key to Next Page

- This menu will also allow user to enter advance mode and change DPMS setting.
- When under Video mode, user can set up V-Chip and Closed Caption.

PC


OSD
Press Menu Key to Next Page

RGB Signal Information

Resolution 640 x 480

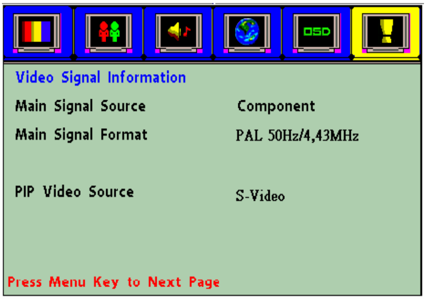
Vertical Frequency 60 Hz

Horizontal Frequency 31 KHz

PIP Video Source S-Video

PIP Video Format NTSC

Video


OSD
Press Menu Key to Next Page

Video Signal Information

Main Signal Source Component

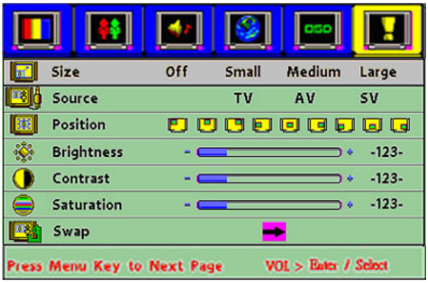
Main Signal Format PAL 50Hz/4,43MHz

PIP Video Source S-Video

- When under PC mode, Signal Format will display Resolution, Horizontal/Vertical Frequency, PIP Video Source, and PIP Video Format.
- When under Video mode, Signal Format will display Main Signal Source, Main Signal Format, and PIP Video Source.

Advanced Settings

PC/Video



Size Off Small Medium Large

Source TV AV SV

Position

Brightness - + -123-

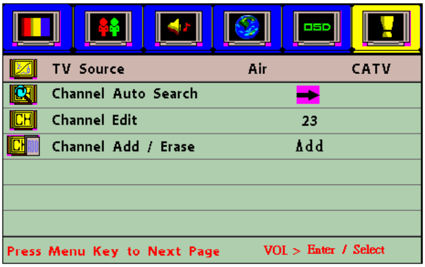
Contrast - + -123-

Saturation - + -123-

Swap

Press Menu Key to Next Page VOL > Enter / Select

- This menu is for changing setting of PIP mode for both PC and Video. User may change setting for PIP Size, Source, Position, Brightness, Contrast, and Saturation.
- “Swap” feature is not available when under main source of PC or Component.



TV Source Air CATV

Channel Auto Search

Channel Edit 23

Channel Add / Erase Add

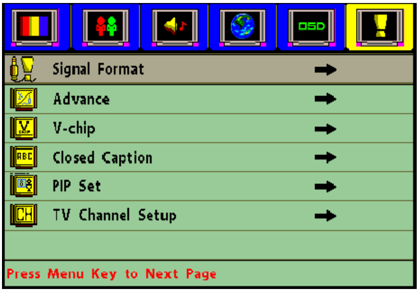
Press Menu Key to Next Page VOL > Enter / Select

- To begin, choosing a TV source from either AIR or CATV.
- Before using the TV mode, user must perform Channel Auto Search for the TV to search through channel.
- This menu allow user to scan and memorize all desired channel, including broadcast TV system and cable TV system. After the channel being saved, user may use the Up/Down button on the remote to search through channel. It also allow user add or erase channels according to the user preference.
- To add or erase the channel select channel edit first and enter channel number by the Number Buttons. After entering the number select Channel Add/Erase and then use Right button to select Add or Erase.

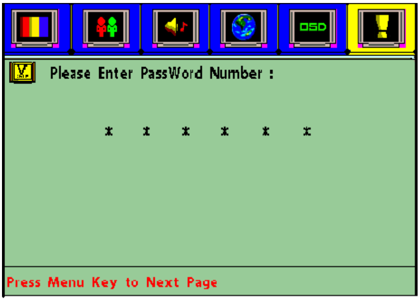
Parental Control

V-Chip Setup

- V-Chip technology allows parents to block unsuitable programming for under age viewers. First user must set up a password. Press Menu button on the remote control to select Video Information page and then select V-Chip. Press Right button and then key in 111111 to enter the “password change” screen. Enter new password and then exit out of the menu. If you have forgotten your password, you may use reminder code “168168” to go into Change Password Number screen.
- After setting up the password, go back into V-Chip menu with the new password. It will display the following items: “TV Guidelines”, “MPAA Rating” and “Change Password Number”, and “V-chip (Volatile).



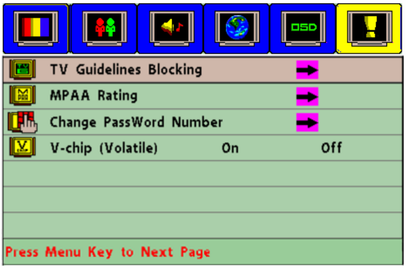
Press Menu Key to Next Page



Please Enter PassWord Number :

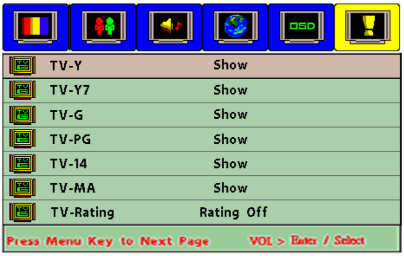
* * * * * *

Press Menu Key to Next Page



TV Guidelines Blocking
MPAA Rating
Change PassWord Number
V-chip (Volatile) On Off
Press Menu Key to Next Page

To set up parental control, select TV Guidelines Blocking and then press Right button to the set the TV Guidelines Blocking Press Up/Down buttons to select any rating, then press Right button, it will display the different contents of age-defined ratings. For TV-PG, it will display these cycling contents: SHOW, BLOCK, D, S, L, V, DL, DS, DV, LS, LV, SV, DLS, DLV, DSV, LSV, DLSV as the below list. For TV-Rating press "▶" key to change to "Rating Off". Then all the ratings will set to "Show".



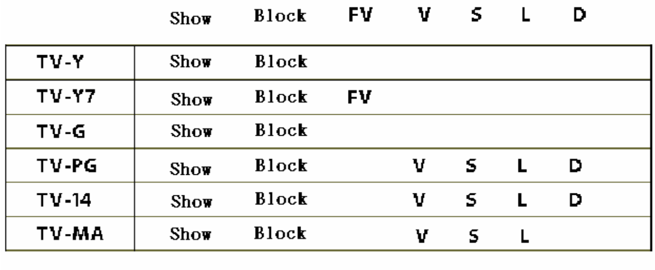
TV-Y Show
TV-Y7 Show
TV-G Show
TV-PG Show
TV-14 Show
TV-MA Show
TV-Rating Rating Off
Press Menu Key to Next Page VOL > Enter / Select

The age-defined ratings for Television

TV-Y	Young children
TV-Y7	Children 7 and over
TV-G	General audience
TV-PG	Parental guidance
TV-14	Viewers 14 and over
TV-MA	Mature audience

TV Guidelines is for the younger ages. When restricting the younger ages, the elder ages will also have certain level of restrictions. Setting LSV for TV-PG, the TV-14 and TV-MA are also restrict to LSV, or the system will automatically set content at LSV for the three ratings. But it does not affect the TV-Y, TV-Y7, and TV-G ratings. While watching TV with parents, it will conceal the improper programs for the youngest children in family.

The contents of TV Guidelines rating



	Show	Block	FV	V	S	L	D
TV-Y	Show	Block					
TV-Y7	Show	Block	FV				
TV-G	Show	Block					
TV-PG	Show	Block		V	S	L	D
TV-14	Show	Block		V	S	L	D
TV-MA	Show	Block		V	S	L	

FV: Fantasy violence

D: Sexual suggestive dialog

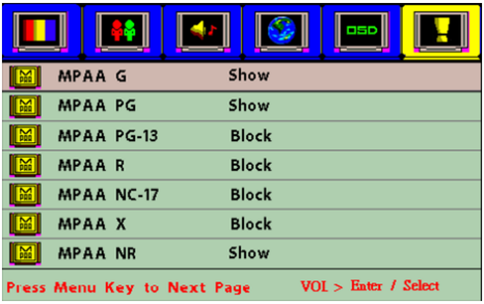
L: Adult language

S: Sexual situation

V: Violence

MPAA Ratings:

The MPAA stands for The Motion Picture Association of America system. It is mainly restrictions for the movies. When using V-Chip, TV will automatically block any critical encoding program. To set up MPAA first to select MPAA Rating and then press Up/Down button to select the rating to change. Then choose either Show the rating or Block the rating.



MPAA G Show

MPAA PG Show

MPAA PG-13 Block

MPAA R Block

MPAA NC-17 Block

MPAA X Block

MPAA NR Show

Press Menu Key to Next Page VOL > Enter / Select

G: General audience (no restrictions).

PG: Parental guidance suggested.

PG-13: Parents strongly cautioned.

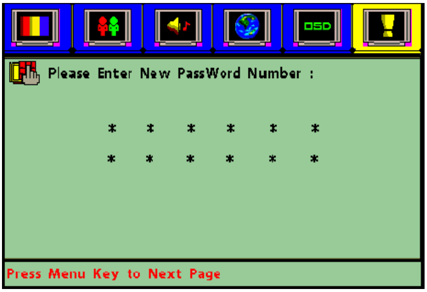
R: Restricted. Children under 17 should be accompanied by an adult.

NC-17: No Children under 17.

X: Adults only

Change Password

- To change password, enter the Change Password Number option in the V-Chip function, press Right button to change password. Enter six digital password in enter new password number. And then confirm the password by enter same password again.



Please Enter New PassWord Number :

* * * * * *

* * * * * *

Press Menu Key to Next Page

V-chip (Volatile)

- After finishing setting the restricted channel and Pressing Up/Down button to select the “V-chip(Volatile)” with “ON”, it will be saved in memory to keep original settings when turning on the power at next time. On the contrary, selecting “V-chip(Volatile” with “OFF”, it will recall original factory default, that is to say, all the ratings will set to “Show”.

- V-Chip Lock:

  When going into the restricted channel, V-Chip will activate and turn the screen into blurred and blank. The message “Excessive Rating” will display on the screen. For normally programming the user will need to press the Number button to go into other channels.

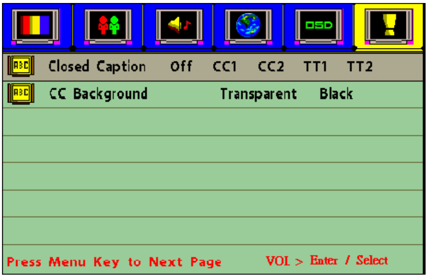
Closed Caption

- For some TV programs, the PDP has the de-coding and “Closed Caption” functions. This caption is usually served for the deaf or the foreign language translation. All of the VCRs can record the Closed Caption signals from TV program, so the family video types also serve for “Closed Caption” function. And similarly for business videotapes, you can check “cc” mark on the box of video type.

Using Closed Caption

- Select Closed Caption in the OSD Menu by pressing “Menu” key on remote and select “video information page. Use Up/Down Button to Select “Closed Caption” and then use “▶” button to choose between OFF, CC1, CC2, TT1, TT2.

- Use CC Background to choose between Transparent and Black for the closed caption display.



Closed Caption Off CC1 CC2 TT1 TT2

CC Background Transparent Black

Press Menu Key to Next Page VOL > Enter / Select

Technical Information

Specifications

Model	PDP42HD
General Specifications and Features	
Plasma TV Panel Size	42 inch
Pixel Resolution	1024 X 768 pixels
Display Color	16.7 millions of colors(R/G/B each 256 scales)
Brightness	1000 Cd/m^2 (typical w/o filter)
Contrast Ratio	3000:1 (typical w/o filter)
Comb Filter	3D Digital Comb Filter for more accurate color processing on TV and Composite Video
Viewing Angle	Over 160 ° Horizontal and vertical
Audio Function	Built-in Speakers with 2 Watts per channel
Picture in Picture	Second sub screen to show different input source simultaneously
Zoom and Freeze Function	Enlarge, minimize, or freeze the image
Screen Aspect Ratio Control	16:9 or 4:3
HDTV Signal Compatible	Accepts HDTV signals up to 1080i when using external DTV receiver
OSD Language	10 Languages
TV Tuner	
NTSC TV System	
125 Channel Receivable	
Supports Closed Caption	
Supports V-Chip TV Rating Function	
Interface	
AV Input	S-Video, Composite Video, Audio L/R, Component Video-Y/Cb/Cr, Y/Pb/Pr
TV Output	TV Video/Audio out
PC Interface	DVI connector and D-Sub 15
Communication Port	9 Pin Serial Port
Power Supply	
Power Input	AV 100 VAC~240 VAC
Frequency	50 Hz ~ 60 Hz
Power Consumption	430Watts (Average)

Environment	
Operating environment	
Temperature	5°C to 40°C
Relative humidity	20% to 85% (non-condensing)
Storage environment	
Temperature	-20°C to 60°C(-4o to 140°F)
Relative humidity	5% to 95% (non-condensing)

Dimension and Weight	
Dimension	1030 mm (W) x 700 mm (H) x 300 mm (D) (with Stand)
Weight	34 kg (without Stand)
Display Size	922 mm (W) X 518mm (H)
Aspect Ratio	16:9

Video Modes

There are total of 15 default timing modes in factory setting listed in the table below:

Factory Setting Modes (ANALOG VGA)

No	Resolution Horizontal	Horizontal Frequency (kHz)	Vertical Frequency (Hz)	Dot Frequency Clock (MHz)	Remark
1	640×480	31.50	60.00	25.18	VESA
2	640×480	35.00	67.00	30.24	MAC
3	640×480	37.50	75.00	31.50	VESA
4	640×480	37.86	72.81	31.50	VESA
5	640×480	43.30	85.00	36.00	VESA
6	720×400	31.47	70.09	28.32	VGA
7	800×600	35.16	56.25	36.00	VESA
8	800×600	37.90	60.32	40.00	VESA
9	800×600	46.90	75.00	49.50	VESA
10	800×600	48.08	72.19	50.00	VESA
11	800×600	53.70	85.00	56.30	VESA
12	1024×768	48.363	60.004	65.00	VESA
13	1024×768	56.476	70.069	75.00	VESA
14	1024×768	60.023	75.029	78.75	VESA
15	1024×768	68.70	85.00	94.50	VESA

∗ When the input signal exceeds the unit’s allowable range, it will display “Signal out of range” message on the screen.

∗ Refer to Video information menu in OSD menu to ensure the correct format of input signal.

Troubleshooting

Before calling the technical support or service technician, please read through this lists of problems and possible solutions.

According to the industrial standards, there are a certain number of defective pixels both bright and dark that are acceptable. Although we produce panel with more than 99.99 percent active cells, there still may be some cells that do not produce light or remain lit. For more information, please contact sales or the technical support.

There is no picture or sound

- Make sure the power cord is properly inserted in the Power outlet.
- Reception other than those of broadcasting stations can be considered.
- Make sure the main power switch of the unit is on.

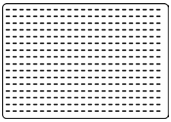
There is no picture from AV.

- Make sure the BLACK LEVEL is properly adjusted.
- Backlight may have reached the end of service life.
- Make sure all the video connections are connected properly.

There is no sound.

- Make sure the volume is not set to minimum.
- Make sure the sound is not set to mute.
- Make sure that speaker are properly connected.

There is no picture or sound, just noise.



- The reception may be weak.
- The state of the broadcast may also be bad.
- Make sure the antenna is not disconnected.

Picture is not clear.

- The reception may be weak.
- The state of the broadcast may also bad.
- Make sure the antenna is not disconnected.

Picture is light or improperly tinted.

- Check color adjustment.
- Check color system setting.

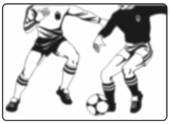
The picture is too dark.

- Press the Brightness button.
- Check PICTURE and BLACK LEVEL adjustment.
- Backlight may have reached the end of service life.

Remote control does not work.

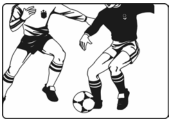
- Check the batteries.
- Make sure the remote control is within operating range.
- Check that there are no obstacles between the Remote Control and the Remote Control Window.

The picture is not sharp.



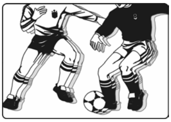
- The reception may be weak.
- The state of the broadcast may also be bad.
- Make sure the antenna is not disconnected.

The picture moves.



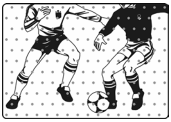
- The reception may be weak.
- The state of the broadcast may also be bad.
- Make sure the antenna is not disconnected.

The picture is doubled or tripled.



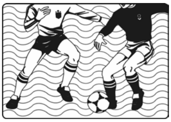
- Make sure the antenna is facing the right direction.
- There may be reflected electric waves from mountains or buildings.

The picture is spotted.



- There may be interference from automobiles, trains, high voltage lines, neon light, etc.
- There may be interference between the antenna cable and power cable. Try possible them further apart.

There are stripes on the screen or colors fade.



- Is the unit receiving interference from other devices?
- Transmission antennas of radio broadcasting station and transmission antennas of amateur radio and cellular phones may also cause interference.
- Use the units as far apart as possible from device that may cause possible interference.

Planar Customer First™ 1—Year Warranty

Plasma display Systems – Standard Warranty

Features

- Standard 1 year warranty
- Replacement Plasma TV[1] ships immediately upon determination that customer's display is non-functional[2]
- Plasma TV immediately replaced upon confirmation of defect – no returns to depot for repair!

Technical Support and Warranty Claim Procedure

As a Planar Standard Warranty customer, here is the simple procedure to follow if you have a non-functioning Plasma display:

Planar's customer-service staff will attempt to correct any minor issues that may be causing the problem. Once Planar has determined the customer has a non-functioning product, Planar will arrange or delivery of the replacement unit and pickup of the non-functioning product.

1. Contact Planar via the web at (http://www.planar.com/support), or call (866) LANAR1, (866.752.6271). The customer must have the model number, serial number, and proof-of-purchase for their Plasma display available.
2. Our customer service staff will attempt to correct any minor issues that may be causing the problem. If we are unable to fix the problem to the customers' satisfaction, Planar will schedule an appointment for the non-functioning Plasma TV unit to be replaced[3].
3. Upon arrival, Planar's onsite service technician will confirm the unit's malfunction, replace the unit, and remove the non-functioning unit. The customer will not be asked to pay any service, shipping, handling, or other fees[4].

Standard Warranty Limitations and Exclusions

1. Plasma TV warranty is valid only for the first customer purchaser (non-transferable).
2. The customer must provide original proof of purchase of the Plasma TV system.
3. Onsite service is only available within the contiguous 48 United States. Planar offers web, mail and phone support for displays worldwide.
4. Any damage or dissatisfaction associated with latent images," burn-in", or any other damage determined by Planar to be the result of customer use patterns.
5. Any product with a defaced, modified, or removed serial number.
6. Any product with damage, deterioration or malfunction resulting from:
   a) Accident, misuse, neglect, fire, water, lightning, or other acts of nature, unauthorized product modification, or failure to follow instructions supplied with the product.
   b) Repair or attempted repair by anyone not authorized by Planar.
   c) Any damage of the product due to shipment.
   d) Removal or installation of the product.
   e) Cause external to the product, such as electric power fluctuations failure.
   f) Use of suppliers or parts not meeting Planar's specifications.
   g) Normal wear and tear, including backlights dimming over time.
   h) Any other cause, which does not relate to a product defect.
   i) Any damage related to peripherals not provided by Planar Systems, including TV Tuners, Cat-5 Interfaces, or other audio-video equipment.
7. Installation and set-up service charges.

---

[1] The program allows for exchange of a non working unit with a comparable refurbished or new unit. The customer agrees to retain the replacement of the Plasma display, and the customer's non-working display shall become the property of Planar.

[2] In the continental U.S., calls must be received by 12:00 p.m., Eastern Time. Saturday, Sundays and major U.S. holidays excluded. Subject to availability of replacement stock. Delivery in certain areas may be delayed due to the shipper's practices.

[3] Customer agrees to be present for the entire scheduled appointment. Failure to comply may result in refusal of service and/ or service charges.

[4] If symptom reported by the customer is determined by Planar Systems to be deliberately incorrect, the customer may be charged for all related expenses, including materials, shipping, handling, and administrative costs.

De-installation, Removal, and Replacement of non-functioning Plasma display

The customer always has the option to place the non-functioning Plasma display on the floor for exchange. If the following conditions are met, Planar's Service Technicians will remove the customer's non-functioning Plasma display and re-install the replacement unit,

Including re-establishing the existing connections to peripheral equipment (DVD Players, PCs, etc):

a) The Plasma display is readily and immediately accessible without the aid of ladders or other tools.

b) The Plasma display utilizes a standard Wall or Desk mounting solution, or is placed on the floor.

c) The Plasma display is not a "built-in" or a part of custom paneling, molding, or woodwork.

In instances where Planar Systems, at its sole discretion, determines the above conditions have not been met, the customer will be responsible for placing the non-functioning Plasma display in a location that meets all requirements. Planar Systems will not reinstall software or other programs related to customers' peripheral equipment.

Limitation of Implied Warranties

THERE ARE NO WARRANTIES, EXTRESS OR IMPLIED, WHICH EXTEND BEYOND THE DESCRIPTION CONTAINED HEREIN INCLUDING THE IMPLIED WARRANTY OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PPURPOSE.

Exclusion of damages

PLANAR'S LIABILITY IS LIMITED TO THE COST OF REPAIR OR REPLACEMENT OF THE PRODUCT. PLANAR SHALL NOT BE LIABLE FOR:

1) DAMAGE TO OTHER PEOPERTY CAUSED BY ANY DEFECTS IN THE PRODUCT, DAMAGESBASED UPON INCONVENIENCE, LOSS OF USE OF THE PRODUCT, LOSS OF TIME, LOSS OF PROFITS, LOSS OF BUSINESS OPPORTUNITY, LOSS OF GOODWILL, INTERFERENCE WITH BUSINESS RELATIONSHIPS, OR OTHER COMMERCIAL LOSS, EVEN IF ADVISED OF THEIR POSSIBILITY OF SUCH DAMAGES.
2) ANY OTHER DAMAGES, WHETHER INCIDENTAL, INDIRECT, CONSEQUENTIAL OR OTHERWISE.
3) ANY CLAIM AGAINST THE CUSTOMER BY ANY OTHER PARTY.

Effect of Local Law

The warranty gives you specific legal rights, and you may have other rights, which vary from locality to locality. Some localities do not allow limitations on implied warranties and/ or do not allow the exclusion of incidental or consequential damages, so the above limitations and exclusions may not apply to you.

Maintenance Guidelines

It is required to provide proper care to the PDP. Please follow the instructions on the maintaining your PDP.

- Attention
    - Before cleaning, be sure to unplug the power core.
    - Do not use the PDP near water as it contains sensitive electronic parts and high voltage.
    - Do not use any chemical or alcohol to clean the surface of the PDP.
    - Do not drop liquid of any kind or stick any object into the PDP.

- Cleaning for Cover and Remote
    - Use soft cotton cloth.
    - When the dust gets on cover or remote control, dipping cloth in diluted neutral detergent, dry it to wipe out the dust, do not let liquid goes inside of unit and then clean it with cloth.

- Cleaning for Screen
    - The surface of screen is fragile glass; do not clean with sharp objects for fear of scraping glass. Do not heavily press or slap glass to prevent glass crack.
    - When cleaning the PDP glass, use a soft or a lint-free cloth with alcohol to gently clean the glass. Do not use window cleaners or solutions that contain ammonia and chemical of any kind to clean the display.

Regulatory Information

Agency Approvals

	European	USA
Safety		UL 6500
Emissions		FCC Class B
Immunity		
Ergonomic		

Federal Communications Commissions (FCC) Statement

FCC Information

The FCC Radio Interface Statement includes the following warning:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy, and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. When such interference to radio or television reception occurs, the user will be required to correct the interference at own expense. The interference may be correctly using one or more of the following measures:

- Increase the separation between the equipment and receiver.
- Reorient or relocate the receiving antenna.
- Connect the equipment into an different outlet from the receiver.

FCC Warning

To assure continued FCC compliance, the user must use the provided grounded power supply cord and the provided shielded video interface cables to connect to this equipment.
Changes or modifications not expressly approved by Planar Systems, Inc. could void the FCC compliance and negate the user's authority to operate the product.

PLANAR

P/N:5030009013D

Planar Systems, Inc.

Customer Service

Online Support：http://planar.custhelp.com

Email：desktopmonitors@planar.com

Tel：1-866-PLANAR-1 (1-866-752-6271)

Hours：m-f, 8am-9pm, Eastern Time

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