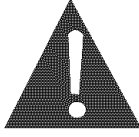# Haier

PLASMA MONITOR

## OWNER'S MANUAL

MODEL: 42EP24S

Please read this manual carefully and completely before operating your monitor.
Retain this manual for future reference.

WARNING

RISK ELECTRIC SHOOK
DO NOT OPEN

WARNING : To reduce the risk of electric shock do not remove cover or back.
No user-serviceable parts inside refer service to qualified service personnel.

Safety of operators has been taken into consideration at the design and manufacture phase, but inappropriate operation may cause electric shock or fire. To prevent the product from being damaged, the following rules should be observed for the installation, use and maintenance of th product. Read the following safety instruction before starting the operation.

The User Manual uses the following symbols to ensure a safe operation and prevent any damage to operators or properties:
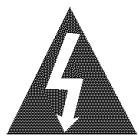
THIS SYMBOL INDICATES THAT HIGH VOLTAGE IS PRESENT INSIDE. IT IS DANGEROUS TO MAKE ANY KIND OF CONTACT WITH ANY INSIDE PART OF THIS PRODUCT.
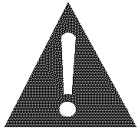
THIS SYMBOL INDICATES THAT THERE ARE IMPORTANT OPERATING AND MAINTENANCE INSTRUCTIONS IN THE LITERATURE ACCOMPANYING THE APPLIANCE.

FCC STATEMENT

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 Rule. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, use and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However ,there is no guarantee that interference with not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encourage to try to correct the interference by one or more of the following measures:
  *Reorient or relocate the receiving antenna.
  *Increase the separation between the equipment and receiver.
  *Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
  *Consult the dealer or an experienced radio/TV technician for help.
  This device compiles with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may be not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.
FCC CAUTION:
To assure continued compliance and possible undesirable interference, the provided ferrite cores must be used when connecting this plasma display to video equipment; and maintain at least 40cm spacing to other peripheral device.

CANADIAN NOTICE:
This Class B digital apparatus compiles with Canadian ICES-003.

IMPORTANT SAFETY INSTRUCTIONS

Read all of the instructions before using this appliance. When using this appliance, always exercise basic safety precautions, including the following:

1)Save these Instructions ---the safety and operating instructions should be retained for future reference.

2)All warning on the appliance and in the operating instructions should be followed.

3)Cleaning --- Unplug from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use only dry cloth for cleaning.

4)Attachments ---do not use attachments not recommended by the manufacturer as they may cause hazards.

5)Water and moisture -- do not place this product near water, for example, near a bathtub, wash bowl, kitchen sink, laundry tub, in a wet basement, or near a swimming pool.

6)Accessories ---do not place this unit on an unstable cart, stand, tripod, bracket, or table. Use only with a cart, stand, tripod, bracket, or table recommend by the manufacture, or sold with the unit.

7)Ventilation ---Slots and openings in the cabinets and the back or bottom are provided for ventilation. These openings must not be blocked. In a built in installation such a bookcase or rack do not install product unless proper ventilation is provided.

8)Power Source ---this monitor should be operated only from the type of power source indicated on the rating label. If you are not sure of the type of power supply to your home, consult your appliance dealer or local power company.

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 are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet. To prevent electric shock, ensure the grounding pin on the AC cord power plug is securely connected.

10)Power cord protection ---Power supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them. Pay particular attention to cords or plugs, convenience receptacle, and the point where they exit from the appliance.

11)Lighting precaution ---for added protection for this product during a lighting storm or when it is left unattended for long period of time, unplug it from the wall outlet and disconnect the antenna or cable system. This will prevent damage to the product due to lighting and power line surges.

12)Never push objects of any kind into this product through openings as they may touch dangerous voltage point or short out parts that could result in a fire or electric shock. Avoid spilling liquid of any kind on the product.

13)Servicing ---do not attempt to service the product by yourself, as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to authorized service personnel.

14)Unplug this unit from the wall outlet and refer servicing to qualified service personnel under the following conditions:

  a. When the power supply cord or plug is damaged or frayed.

b.If liquid has been spilled, or objects have been fallen into the unit.

c.If the unit has been exposed to rain or water.

d.If the unit does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions, as improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the unit to its normal operation.

e.If the unit has been dropped or damaged in any way.

f.When the unit exhibits a distinct change in performance; this indicates a need for service.

15)Heat --- The product should be situated away heat source such as radiators, heat registers, stoves, or other products (Including amplifiers) that product heat.

16)Overloading ---Do not overload wall outlets and extension cord as this can result in a risk of fire or electric shock.

SAVE THESE INSTRUCTIONS

Thank you for using our Haier product. This easy-to-use manual will guide you in getting the best use of your product. Remember to record the model and serial number. They are on label in back of the unit.

_____
Model number

_____
serial number

_____
Date of purchase

Staple your receipt to your manual. **You will need it to obtain warranty service.**

Contents

Setup and Operation Checklist

Setup and Operation Checklist
(See pages 10~15 for available connection and operational setup options.)

1. Unpack Monitor and all accessories.

2. Connect all external video and audio equipment.
   see pages 10 ~ 13.

3. Install the speakers and stand see pages 15-16.

4. Install batteries in remote control.
   See page 8.

5. Turn Monitor on.
   See page 16.

6. Turn video source equipment on.

Controls

Front Panel Controls

7 8   1   2   3   4   5   6
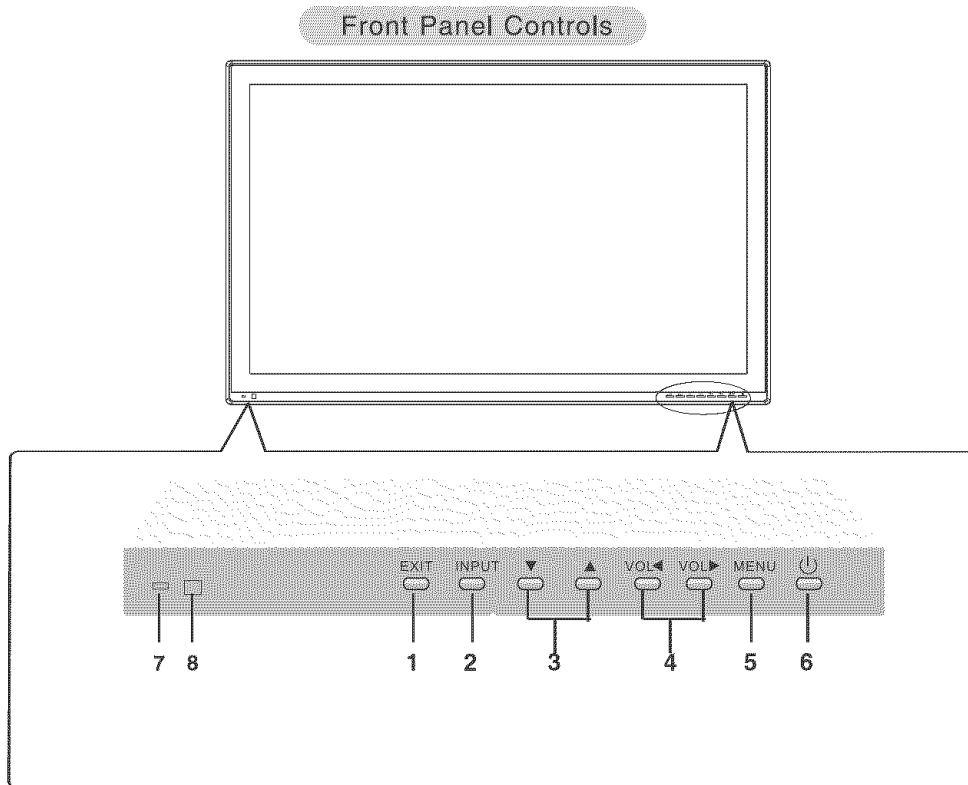
1. Menu exit

2. Signal source input option

3. Down/Up. Select desired option on the menu

4. VOLUME Buttons

5. MENU Button

6. Power On/Off Button

7. Power Standby Indicator
   illuminates red in standby mode, illuminates blue when
   the display is turned on

8. Remote Control Sensor

Connection Options

S-Video Input

VGA Input/Audio input

DVI Input/Audio input
connect your cable/PC
through the input

Power On/Off

Earphone port

DVD/DTV Input
Connect a component video/audio
device to these jacks

Audio/Video Input
Connect audio/video
output from an external
device to these jacks

AUDIO output

External audio/
video output

Power Cord Socket
This monitor operates on AC power. The voltage is
indicated on the specifications page. Never
attempt to operate the monitor on DC power

Remote Control Key Functions

When using the remote control. Aim it towards the remote sensor on the monitor.

VIDEO
Select AV/S-Video source

PC
Select PC source

AUTO
Auto adjust for PC

DVI
Select DVI source

MENU
Bring up the main menu to the screen

AVC
Auto volume control On/Off

LEFT/RIGHT

ENTER
Press to confirm the selection

P STD
Picture mode menu display

S STD
Sound mode menu display

LOCK
Press to enter the Lock Set menu

I / II
Press to select left/right/stereo track

SURROUND
Press to select surround ON/OFF

Q SET
Selects pre-set user preferences for audio and video settings

V-chip
Parental Control

INPUT
Selects:AV1/S-Video/YPbPr/YCbCr/VGA/DVI input source

POWER
Turn your monitor on

DISPLAY
Displays the current input signal information

MUTE
Switches the sound on or off

NUMBER buttons

DNR
Digital noise reduction

EXIT
Clears all on-screen displays and return to viewing from any menu

UP/DOWN

VOLUME UP/DOWN
Increases/decreases the sound level

CALENDAR

ARC
Changes the aspect ratio

FREEZE
Freezes the image on the screen

CC(Closed Caption)
Select different modes

SLEEP
Press this key to set sleep timer.

Installing Batteries

• Open the battery compartment cover on the back side and install the batteries matching correct polarity (+ with +, - with -).
• Install two 1.5V AA batteries. Don't mix old or used batteries with new ones. Replace cover.
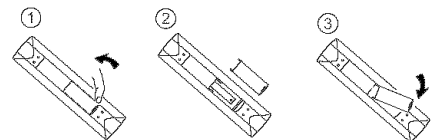
Installation

Ensure that the following accessories are included with your plasma display. If an accessory is missing, please contact the dealer where you purchased the product.

Owner's Manual

Batteries

Power Cord

Remote Control

Speaker unit(X2)

(2.5MX2)
Connection cord

ST4X16
Screw(x4)

1) M4X12Screwsx8

2) M4X8Screwsx2

3) M5X16Screwsx4

4) Standx1

5) brace pole x2

6) PMMA baffle x1
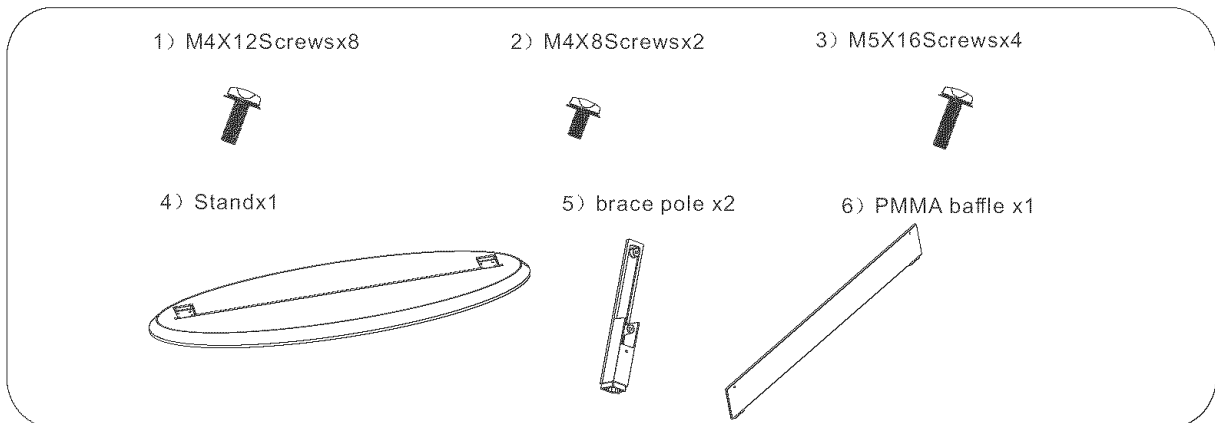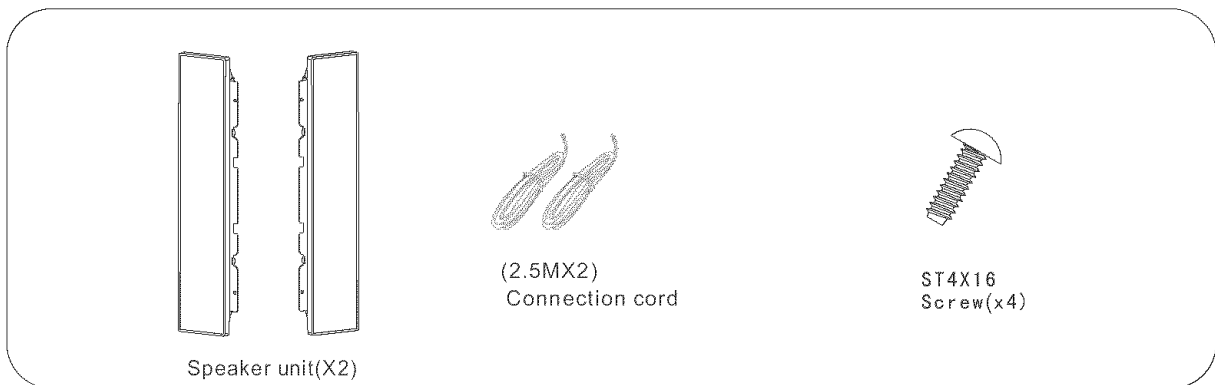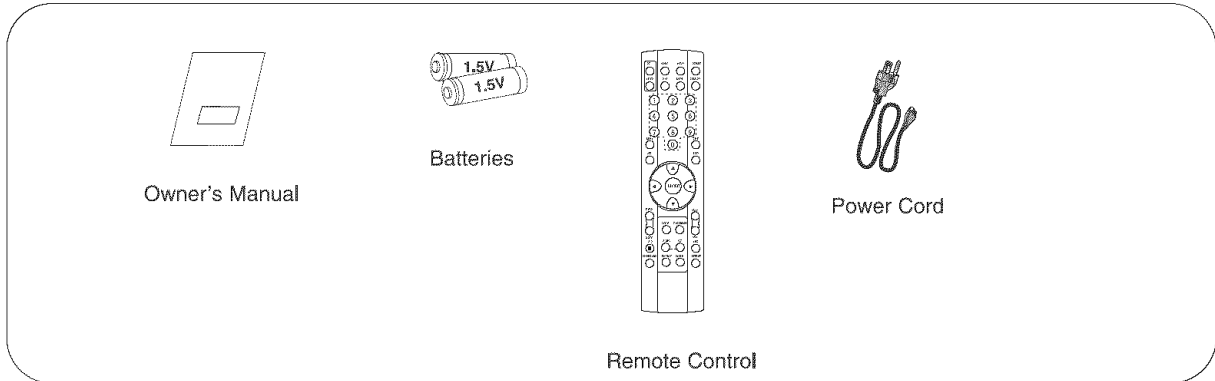
Installation Instructions

GROUNDING

Ensure that you connect the grounding / earth wire to prevent possible electric shock. If grounding methods are not possible, have a qualified electrician install a separate circuit breaker. Do not try to ground the unit by connecting it to telephone wires, lightening rods, or gas pipes.

VCR Setup

- To avoid picture noise (interference), leave an adequate distance between the VCR and monitor
- Do not leave a still picture from a VCR on the screen for a long time. If the 4:3 format is used, the fixed images on the sides of the screen may remain visible on the screen, if this format is used day after day. This is known as burn-in, it is uneven wear of the screen area. Reduce contrast when displaying fixed images on the screen for a long time.

1. Connect the audio and video cables from the VCR's output jacks to the monitor input jacks, as shown in the figure.
   When connecting the monitor to VCR, match the jack colors (Video = yellow, Audio Left = white, and Audio Right = red).
   If you connect an S-VIDEO output from VCR to the S-VIDEO input, the picture quality is improved; compared to connecting a regular VCR to the Video input.
2. Insert a video tape into the VCR and press PLAY on the VCR. (Refer to the VCR owner's manual.)
3. Select the input source by the **INPUT** button on the remote control.
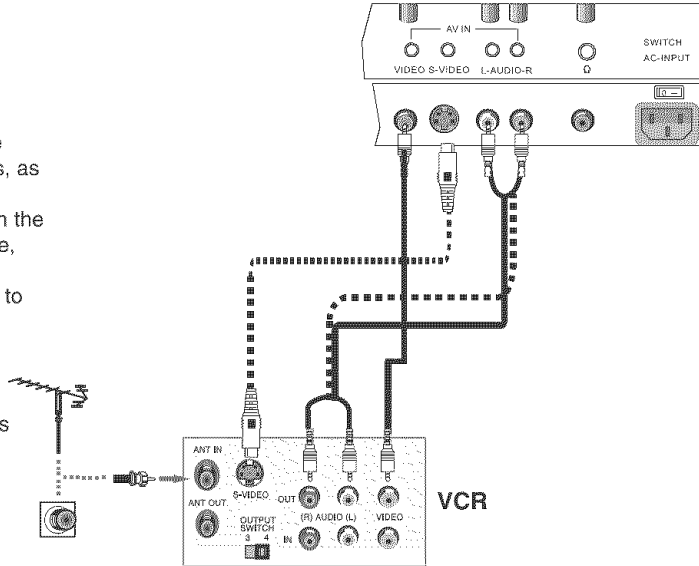
> ⚠ Do not connect to both Video and S-Video at the same time. In the event that you connect both Video and the S-Video cables, only the S-Video will work. So you should not connect to S-Video if you want to use Video.

Cable TV Setup

- After subscribing to a cable TV service from a local provider you can watch cable TV programming. The monitor cannot display TV programming unless a TV tuner device or cable TV converter box is connected to the monitor .
- For further information regarding cable TV service, contact your local cable TV service provider(s).

1. Connect the audio and video cables from the Cable Box's output jacks to the monitor input jacks, as shown in the figure.
   When connecting the monitor to a Cable Box, match the jack colors (Video = yellow, Audio Left = white, and Audio Right = red).
   (If you have a digital cable box please refer to page 12, for DTV setup)
2. Select the input source by using the INPUT button on the remote control. (If connected to AV IN, select AV1 input source)
3. Select your desired channel with the remote control for cable box.

Cable Box
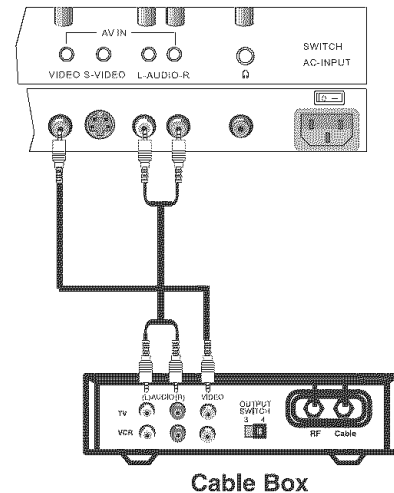
External A/V Source Setup

How to connect
Connect the audio and video cables from the external equipment's output jacks to the monitor input jacks, as shown in the figure.
When connecting the monitor to external equipment, match the jack colors (Video = yellow, Audio Left = white, and Audio Right = red).

How to use
1. Select the input source by using the INPUT button on the remote control.
   (Also, you could use shortcut key on the remote control)

2. Operate the corresponding external equipment. Refer to external equipment operating guide.

AV IN

VIDEO S-VIDEO   L-AUDIO-R

SWITCH
AC-INPUT

Camcorder

Video Game Set
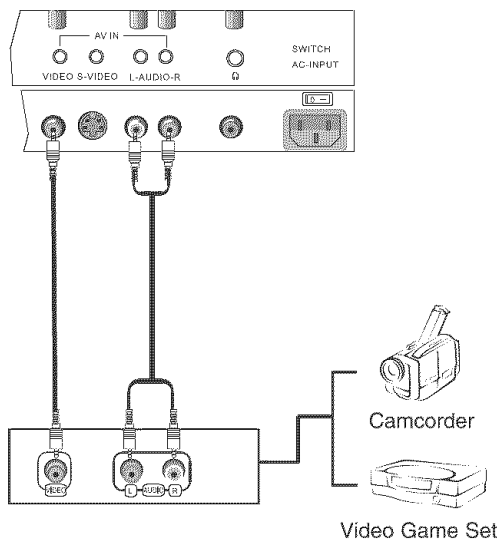
DVD Setup

How to connect
1. Connect the DVD video outputs (Y, Pb, Pr) to the COMPONENT (Y, Pb, Pr) INPUT jacks on the monitor and connect the DVD audio outputs to the AUDIO INPUT jacks on the monitor, 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 monitor and connect the DVD audio outputs to the AUDIO INPUT jacks on the monitor, as shown in the figure.
NOTE: If your DVD player does not have component video output, use S-Video or composite(AV).

How to use
1. Turn on the DVD player, insert a DVD.
2. Use the INPUT button on the remote control to select YPbPr/YCbCr (If connected to S-VIDEO, select the AV1/S-Video external input source.)
3. Refer to the DVD player's manual for operating instructions.

• **Component Input ports**
To get better picture quality, connect a DVD player to the component input ports as shown below.
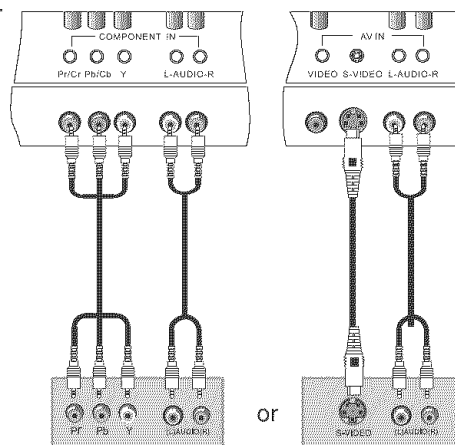
Component ports on the monitor	Y	Pb	Pr

Video output ports on DVD player	Y	Pb	Pr
	Y	Cb	Cr

COMPONENT IN

Pr/Cr Pb/Cb Y   L-AUDIO-R

AV IN

VIDEO S-VIDEO L-AUDIO-R

Pr Pb Y   (L-AUDIO-R)

or

S-VIDEO   (L-AUDIO-R)

DVD

DTV Setup

- To watch digitally broadcast programs, purchase and connect a digital set-top box.
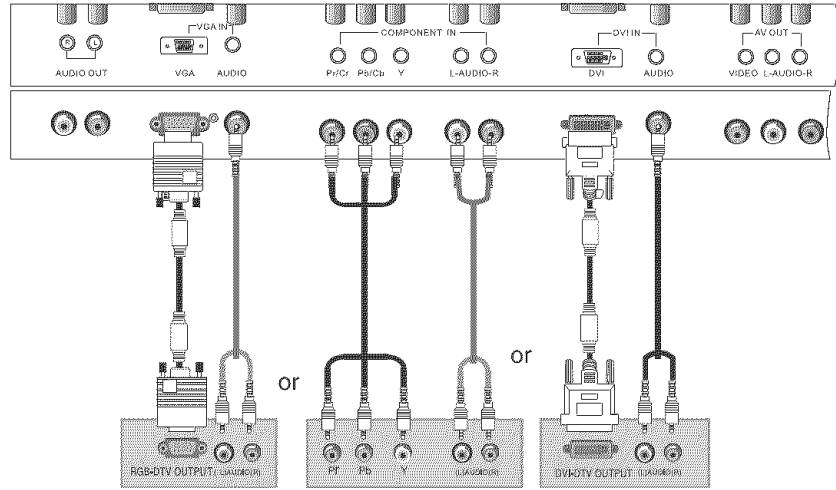
Digital Set-top Box

How to connect
Use the monitor's COMPONENT (Y, Pb, Pr) IN jacks, VGA or DVI IN port for video connections, depending on your set-top box connections available.
Then, make the corresponding audio connections.

How to use
1. Turn on the digital set-top box. (Refer to the owner's manual for the digital set-top box.)
2. Use INPUT on the remote control to select YPbPr/YCbCr,VGA, or **DVI** source.
(Also,you could use shortcut key such as PC,DVI on the remote control)

Signal	YPbPr/YCbCr	VGA	DVI
480i	Yes	Yes	No
480p	Yes	Yes	Yes
720p	Yes	Yes	Yes
1080i	Yes	Yes	Yes
1080P	Yes	No	No

Monitor Out Setup
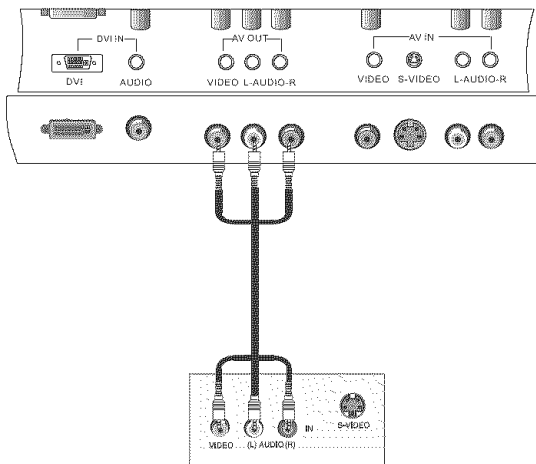
The monitor has a special signal output capability which allows you to hook up a second monitor or TV.

Connect the second monitor or TV to the monitor's **AV OUT**.
See the Operating Manual of the second monitor or TV for further details regarding that device's input settings.

NOTE
•YPbPr/YCbCr,VGA,DVI input sources cannot be used for Monitor out.

PC Setup

How to connect

1. To get the best picture quality, adjust the PC graphics card,if necessary.

2. Use the monitor's VGA IN or DVI (Digital Visual Interface) IN port for video connections, depending on your PC connector.
   • If the graphic card on the PC does not output analog and digital RGB simultaneously, connect only one of either VGA IN or DVI IN to display the PC on the monitor.
   • If the graphic card on the PC does output analog and digital RGB simultaneously, set the display to either VGA or DVI; (the other mode is set to Plug and Play automatically by the display.)
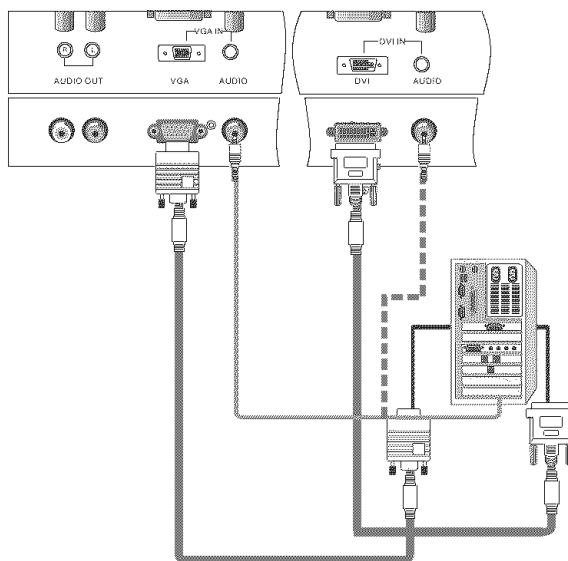
3. Then, make the corresponding audio connection. If using a sound card, adjust the PC sound as required.

How to use

1. Turn on the PC and the monitor.
2. Turn on the display by pressing the POWER button on the monitor's remote control.
3. Use **INPUT** on the remote control to select VGA, or **DVI** source.
   (Also,you could use shortcut key such as PC,DVI on the remote control)
4. Check the image on your monitor.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.

NOTES: • Use a DVI cable.
   • Avoid keeping a fixed image on the monitor's screen for a long period of time. The fixed image may become permanently imprinted on the screen. Use a screen saver when possible.
   • The synchronization input from horizontal and vertical frequencies are separate.

Install the Speakers

1、Face the PDP screen upside down on a clean blanket or a bracket and pay attention not to indent the casing. (See figure),

lay the two speaker aside of the PDP.

2、Insert the pothook to the faucet of the PDP screen .

3、Fix the speaker to the PDP with the screws 4-ST 4X16 .
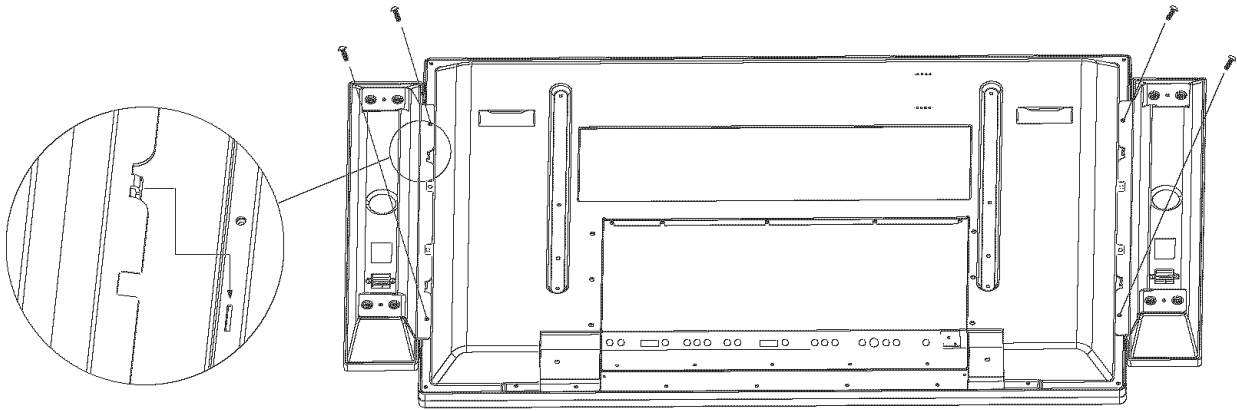
2、Before turning on the PDP , ensure you have connected the line between the speaker and the PDP.

Connect the speaker to the speaker terminal of plasma screen:

Press the speaker terminal and insert the connecting cable into the terminal slot.

Release the speaker terminal and ensure that the white connecting cable is inserted in the terminal slot marked red and black connecting

cable is inserted in the black terminal slot, and that anode and cathode poles are correctly connected. (See Figure)

EXT SPEAKER
R —— L

The right speaker   The left speaker
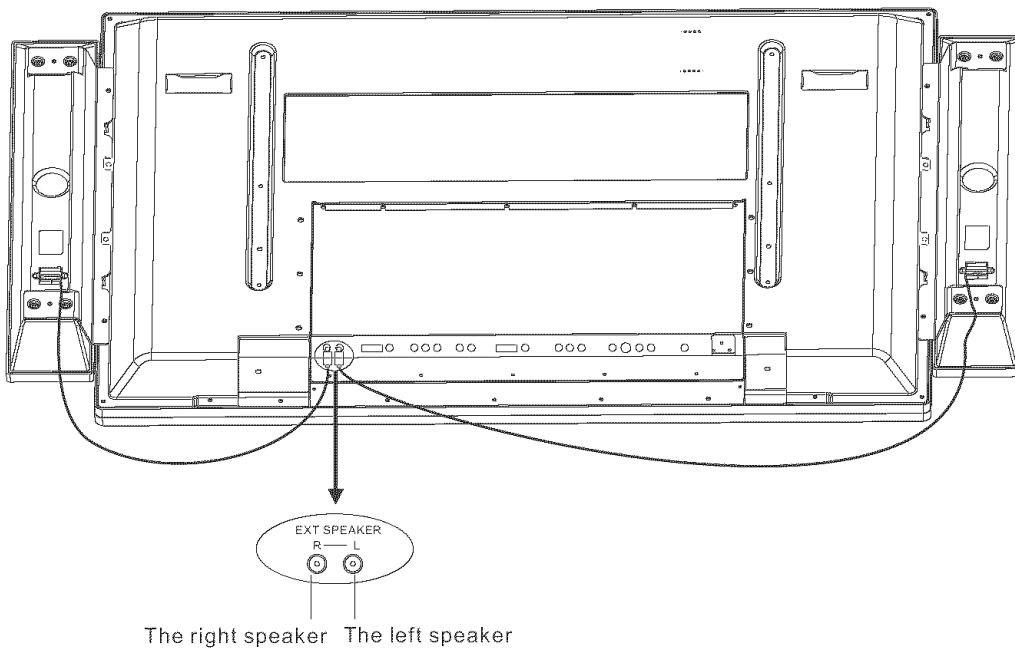
Install the Stand

Install the PMMA Baffle

After installing the brace pole(see figure below)
rip the protective sheet off of the PMMA baffle
and put the baffle into the stand.
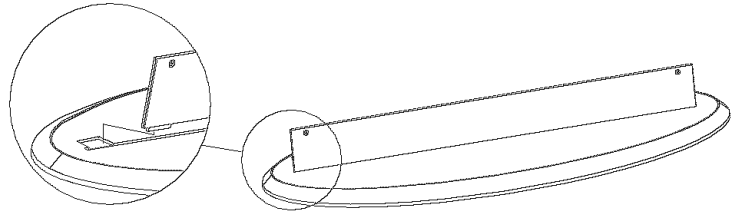
Install the brace pole

1、After put the brace pole to the stand,
   use the screw 8 M4x12 to fix it.
2、Take care not to touch the stand and
   the brace pole;
3、Fix the PMMA baffle with the
   screw 2 M4X8 rom the front .
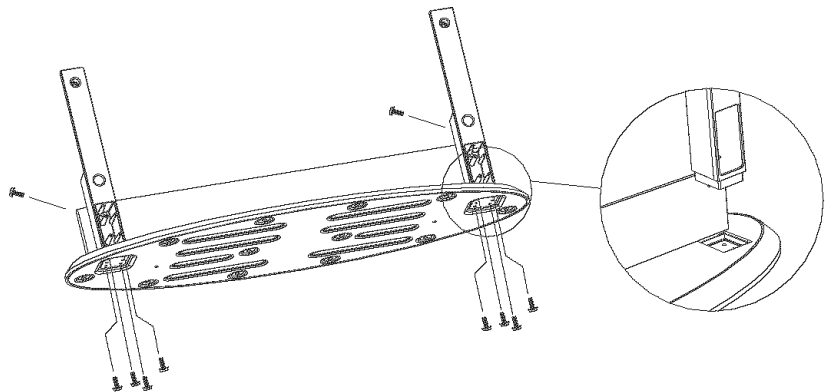
Install the Stand to the PDP

Face the PDP screen upside down on a clean blanket or the bracket and pay attention not to indent the casing.(See figure)

Lay down the stand and put it to responding position of the PDP screen ,and make sure the brace pole towards the hole of the PDP .

Fix 2 PDP brace pole to the PDP on the back of the plasma display with 4 M5X16 screws.
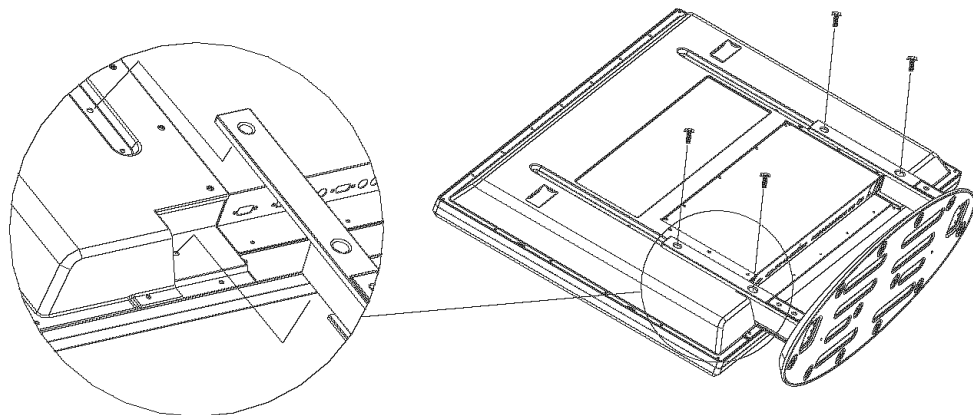
Operation

Turning the Monitor On

1. Connect power cord correctly.

2. Press the **ON/OFF** button on back of the monitor. At this moment, the monitor is switched to standby mode.
   press the **POWER** button on the remote control or ①**ON/OFF** button **on the** monitor and then the monitor will turn on.

Turning on the monitor (power cord is still connected)

1. If the monitor **was turned off with the** ① **ON/OFF button on the** monitor
• Press the ①**ON/OFF** button on the monitor to turn the monitor on.

2. If the monitor **was turned off with the remote control and then the ON/OFF button on** back of **the** monitor
• Press the **ON/OFF** button on back of the monitor and then press the **POWER** button on the remote control to
   turn the monitor on.

NOTE
• If you intend to be away on vacation, disconnect the power plug from the wall power outlet.

Basic Function

Saving Mode

Hold Q SET button pressed on the remote for 3 seconds until Quick Set mode setup menu appears on the screen.

1.Press ◀ / ▶ button for desired setup option.

2.Press ▲ / ▼ button for setup option.

3.Press Q SET button (Screen display sees right figure)

4.Press EXIT button to close screen display.

```
   Quick Set  Setup
Light            Sound
Bright           Noise
Normal           Normal
Gray             Quiet
Dark
```

(10 seconds later after the latest press, the screen display will disappear automatically.)

```
Quick Set Mode
     Off
```
```
Quick Set Mode
     On
```

Operation Menu

1.Press MENU button to open the main menu. Press ◀ / ▶ button to select PIC., SOU., ADJ., SYS. , FUN. or TIME menu.

2.Press ▲ / ▼ button to select submenu, and press ◀ / ▶ button to increase/decrease the value or select the setup.

3.Press MENU to return to main menu

4.The setup time in display will disappear automatically when the latest preset time expiries. The menu display time can

be set to 5,10,15,20,25,30 and 40 seconds

5.Press EXIT button to exit any menu if the menu is in display.

Sound mode

Press S STD button on the remote controller for menu display, and press ▲ / ▼ button to change
the mode as follows: (This feature can also be changed from the sound menu function screen)

Music→Standard→Theater→Personal

```
Sou.Mode

Music
Standard
Theater
Personal
```

Picture mode

Press P STD button on the remote controller for menu display, and press ▲ / ▼ button for desired
mode as follows: (This change can also be made from Picture menu adjustment screen)

Bright→Normal→Soft→Personal

| Pic.Mode |
| Bright |
| Normal |
| Soft |
| Personal |

Sleep Timer

Every press of SLEEP button, the timer will be set in the following sequence:

Sleep 0Min→Sleep 5Min→Sleep 15Min→Sleep 30Min→Sleep 60Min→Sleep 90Min→Sleep 120Min→Sleep 0Min

If remaining time of set timer is to be displayed, press the SLEEP button once.

AV1/S-Video/YPbPr/YCbCr/VGA/DVI Play

1. Press INPUT button on the remote controller, the following menu will appear on the screen.

2. Press ▲ / ▼   button for option and then press ◀ / ▶   button or ENTER to confirm.

Note: If AV1 and S-Video are inserted at the same time, priority will
be given to S-Video.

| Source |
| AV1/S-Video |
| YPbPr/YCbCr |
| VGA |
| DVI |

Picture Quality Adjust

Picture quality adjust

Picture quality can be adjusted for any input separately.

The picture quality on the screen can be adjusted as follows:

1. Press MENU button and ◄ / ► until the following menu appears on the screen:

AV1/S-Video menu:

```
Mode           Personal
Contrast         50
Brightness       50
Color            50
Tint              0
Sharpness        50
DNR            Auto

PIC. | SOU. | ADJ. | SYS. | FUN. | TIME.
```

YPbPr/YCbCr menu:

```
Mode           Personal
Contrast         50
Brightness       50
Color            50
Tint              0  ---------(Not available)
Sharpness        50
DNR            Auto

PIC. | SOU. | ADJ. | SYS. | FUN. | TIME.
          (Not available)
```

VGA menu:

```
Mode           Personal----
Contrast         50
Brightness       50
Color            50  -------(Not available)
Tint              0
Sharpness        50
DNR            Auto

PIC. | SOU. | ADJ. | SYS. | FUN. | TIME.
          (not available)
```
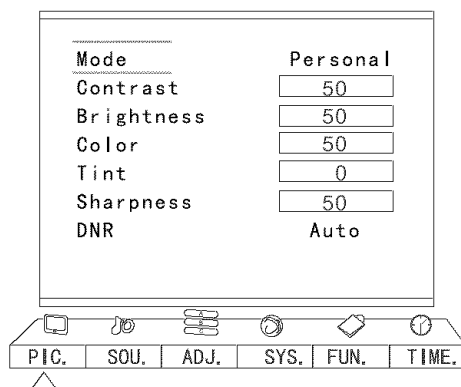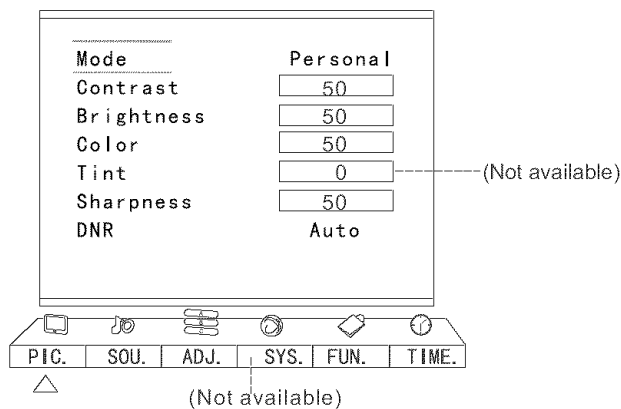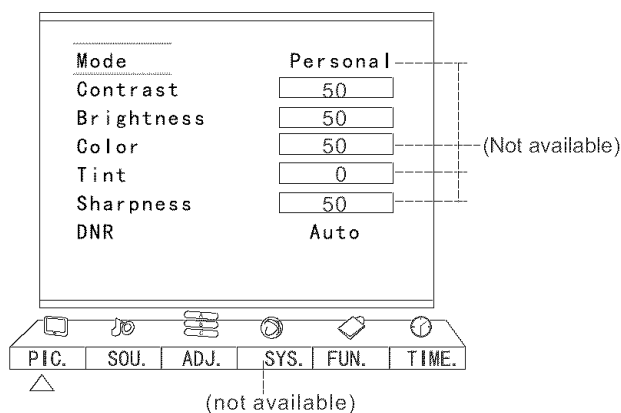
Picture quality adjust

DVI menu:

```
┌──────────────────────────────────────┐
│  Mode              Personal ─ ─ ─ ─ ┐ │
│  Contrast          [  50  ]         │ │
│  Brightness        [  50  ]         │ │
│  Color             [  50  ] ─ ─ ─ ─ ┼── (not available)
│  Tint              [   0  ] ─ ─ ─ ┐ │ │
│  Sharpness         [  50  ] ─ ─ ─ ┘ │ │
│  DNR               Auto             │ │
│                                       │
│                                       │
└──────────────────────────────────────┘
   PIC.  SOU.  ADJ.  SYS.  FUN.  TIME.
    △                  ┊
            (not available)
```
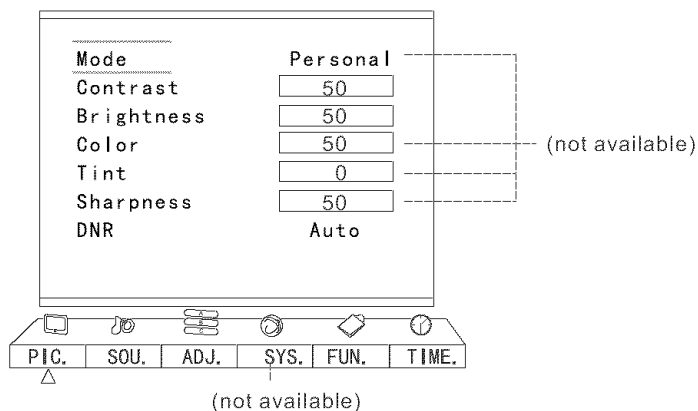
2.Press ▲/▼ button to enter picture menu and to select desired option , the current item is marked yellow.

3. Press ◄/► button again to adjust selected option.

4. Repeat step 2 and 3 until desired picture quality has been achieved . When displayed time for menu setup expires without

any operation , the menu disappears from the picture , If MENU or EXIT button is pressed , the menu on display will disappear

in sequence or immediately respectively.

Note:

1.When Personal mode is not selected, the Personal mode can be entered automatically if Contrast, Brightness,
   Color, Tint and Sharpness parameters are adjusted.

2.Noise Reduction mode（DNR） can be set to Auto, Off, Weak, Medium or Strong.

Sound adjustment

Sound adjust

Sound can be adjusted for any input as follows:

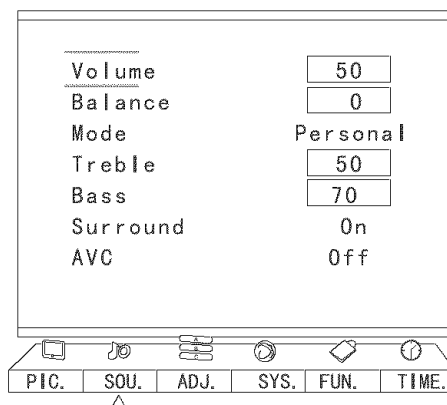1. Press MENU button and ◀ / ▶ button until the following menu appears on the screen.

2. Press ▲ / ▼ to enter sound setup menu, and press ▲ / ▼ button again for desired option.

3. After your option is selected, press ◀ / ▶ button to adjust.

4. Repeat step 2 and 3 until desired sound has been achieved when displayed time for menu setup expires without any operation , the menu disappears from the picture . If MENU or EXIT button is pressed , the menu in display will disappear in sequence or immediately respectively.

Volume	50
Balance	0
Mode	Personal
Treble	50
Bass	70
Surround	On
AVC	Off

PIC.	SOU.	ADJ.	SYS.	FUN.	TIME.

Note:

1. Select Balance to balance right and left sound channels of the monitor . The intermediate value is 0. When indication value of Balance increases toward +50, sound of the right and left speaker becomes stronger and weaker, respectively. When indication value of Balance decreases toward -50, sound of the right and left speaker becomes weaker and stronger, respectively.

2. When Personal mode is not selected, the Personal mode can be entered automatically if Treble or Bass parameters are adjusted.

3. AVC:Automatic Volume Control. This feature maintains a fixed volume for different levels of program material, like loud commercials.

Adjustment Setup

Adjusting setup

In VGA and DVI input mode, H Position and V Position can be used to adjust the picture position.

When VGA、DVI input mode is set

1. Press MENU button on the remote controller and ◄ / ► for option of picture position adjust.

2. Press ▲ / ▼ to enter the menu of picture position setup

3. Press ▲ / ▼ button for desired adjust parameter option.

4. Press ◄ / ► for desired adjust parameter option until satisfactory value is achieved. When VGA signals are received, the automatic mode is used for parameter adjustment.

VGA/DVI :

Display Mode	Full Screen
Adjust	→
RGB	→
Reset	
Auto Sync.	
Color Temperature	Normal
Black Stretch	On ·············· Not available

PIC. | SOU. | ADJ. | SYS. | FUN. | TIME.

Note:

Adjust, RGB and Reset are functional only under VGA and DVI mode, and Auto Sync is functional in VGA mode.

1) Adjust is opted for adjusting H Position and V Position as well as relative parameters in VGA and DVI modes.(Phase Adjust is not available in DVI)

2) RGB is opted for adjustment of the numerical value of red, green and blue in VGA/DVI mode.

3) Reset is opted for adjustment of parameters (After the operation, Complete will be on the right of the option)

H Size	0
H Position	0
V Size	0
V Position	0
Phase Adjust	0

PIC. | SOU. | ADJ. | SYS. | FUN. | TIME.

4) Auto sync is opted for adjustment of picture location frequency and phase parameters in VGA mode.(Not available in DVI)(After the operation, Complete will be on the right of the option)

5) Under the VGA signal, there are Full Screen , one to one and 4:3 Mode for Display mode to select.
   Under the AV1 or S-Video signal, there are Full Screen, Vertical Zoom, Half Zoom, Panorama and 4:3 Mode for Display Mode to select.
   Under the DVI signal, there are Full Screen and 4:3 Mode for Display Mode to select.

6) Color Temperature is opted for color parameters of cold, normal and warm.

Red	0
Green	0
Blue	0

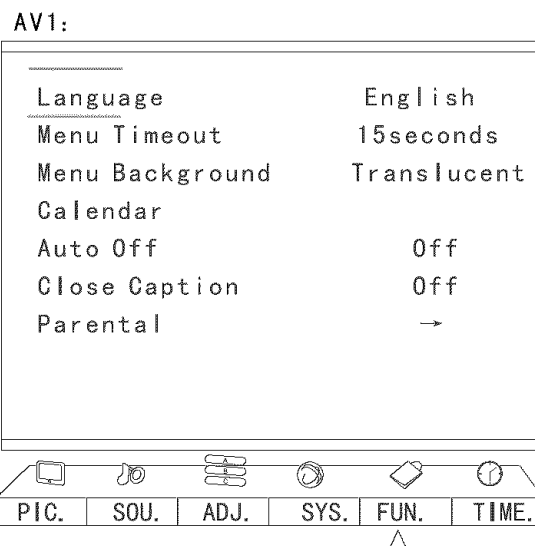PIC. | SOU. | ADJ. | SYS. | FUN. | TIME.
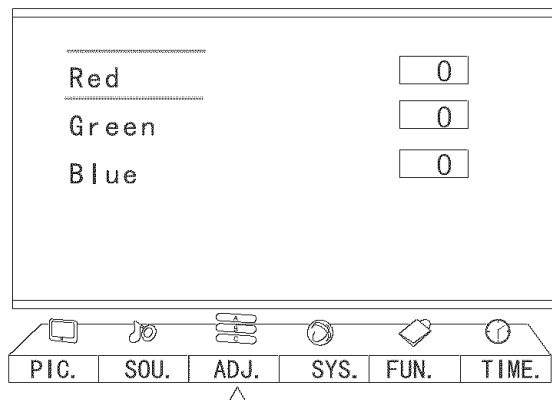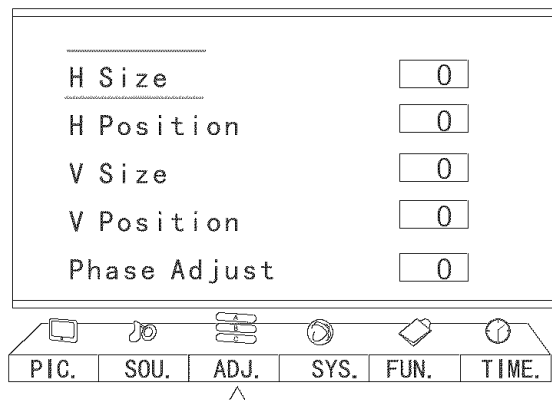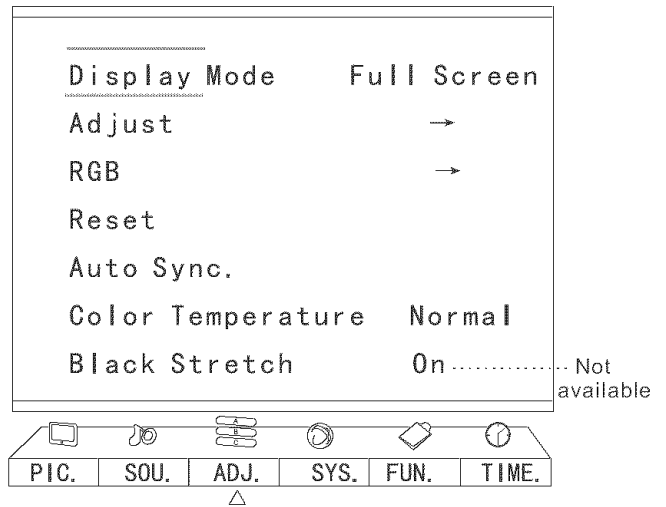
Function Setup

Function Setup

It is possible to select language, OSD translucent, position and screen display of the menu as follows:

1. Press MENU button once, and the ◀/▶ button until the following menu appears on the screen:

2. Press▲/▼ button on the remote controller to enter the menu of system setup.

3. Press ▲/▼ to select desired option on the menu.

4. Press ◀/▶ to adjust selected option.

AV1:

```
Language              English
Menu Timeout          15seconds
Menu Background       Translucent
Calendar
Auto Off              Off
Close Caption         Off
Parental              →
```

| PIC. | SOU. | ADJ. | SYS. | FUN. | TIME. |

Menu language option

Repeat step 3 and 4 to select English, Francais or Espanol as the menu language.

Menu timeout option

Repeat step 3 and 4 to select menu display time for 5,10,15,20, 25, 30 or 40 seconds.

Menu Background Option

Repeat step 3 and 4 to select OSD background between Translucent and Opaque.

Auto Off

Repeat step 3 and 4 to select On/Off. If On is selected, and there is no signal to the monitor for 2 minutes, "Auto Off" will be on the screen and for 3 minutes the monitor will be in standby condition . If Off is selected , and there is no signal to the monitor for 3 minutes without any operation , "Haier" will be on the screen .

Close Caption

Repeat step 3 and 4 to set up Off/CC1/CC2/CC3/CC4/TX1/TX2/TX3/TX4/XDS.

(Note: Close Caption is only available in AV and S-Video signal)

Calendar Display and Check

Repeat step 3 and press ◀ / ▶ or ENTER button to enter calendar menu as follows:

					1981-01-01	
Sun.	Mon.	Tue.	Wed.	Thu	Fri.	Sat.
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

Enter Calendar menu, press ▲ / ▼ and ◀ / ▶ button to adjust or check the date.

Parental

Designate and press ▶ or ENTER button to enter Parental submenu as follows:

PassWord	————

Initial password is **0000**, and security default password is **9443**. If the password in the Lock Set menu changed,

The password here will also change

Parental	
Parental Control	Off
Unrated Program Block	Off
TV Rating Limit	→
Movie Rating Limit	→

Select option 3 and 4 on the menu, enter the submenu as follows:

Rating	ALL	V	S	L	D
TV-Y	V				
TV-Y7	V	V			
TV-G	V				
TV-PG	V		V	V	V	V
TV-14	V	V	V	V	V
TV-MA	V	V	V	V

TV Rating Limit

Movie Rating Limit	
G	V
PG	V
PG-13	V
R	V
NC17	V
X	V

Note: If some option is locked, the options of the same level will also be locked and the screen displays Lock.

TV Rating Limit and Movie Rating Limit can only be opted when Parental Control is set to Custom.

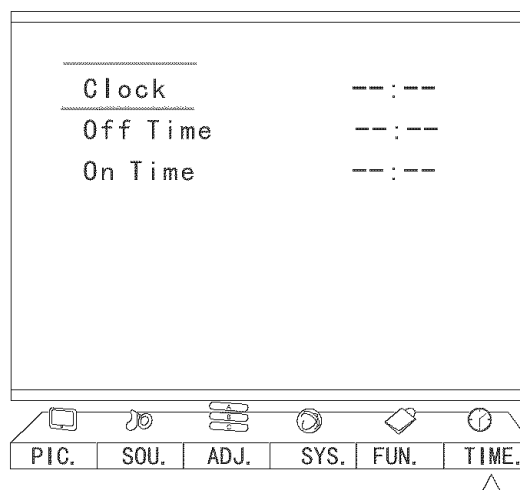(Parental is only available in AV and S-Video signal)

Time Setup

If Off-time or On-time is intended in AV1/S-Video/YPbPr/YCbCr/VGA, follow the instructions as below:

1. After choosing the time function from the main menu, press ▲/▼ to select the clock, then press ◀/▶ to adjust.

2. If Clock is set, time you set for Off Time and On Time will be a point of time. Otherwise, if Clock is not set, time you set for Off Time and On Time will be a period of time. And it will account time from the time when you set automatically.

```
  Clock              -- : --
  Off Time           -- : --
  On Time            -- : --




          ⬭    ♪⊙    ☰    ◎    ⬦    ⏲
         PIC.  SOU.  ADJ.  SYS.  FUN.  TIME.
                                        △
```

Note:

The Sleep Time and Off Time can not be set at simultaneously. If both time are set, the later setup will be in operation.

Indication will appear on the screen 1 minute prior to expiration of the set time.

```
        Off Time
```
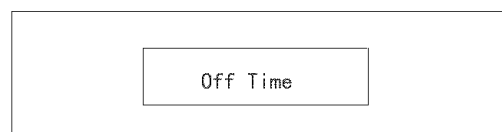
Lock Menu Options

Lock setup

Press LOCK button on remote control, Password will appear on the screen. If password is correctly entered, the Lock set menu will be entered. If the password is not correctly entered, you will be required to reenter the password and the cursor will stay at the first place. Press EXIT to erase the window. If time you set in OSD menu expires after the latest press, the menu will disappear automatically.

```
              Lock Set
    PassWord
    Preset Prog.           Off
    Source Lock             →
    Child Lock             Off
    Max Volume             100
    Unlock
```

Change password

1. The password can be changed. Press ▲/▼ button and select Password. Press ◀/▶ or ENTER button, the screen will display Old Pw.----, which will stay on the screen if a wrong password is entered. If correct password is entered, the screen will display New Pw.----. Then enter the new password, and the screen will display Confirm----. If the same password is entered correctly twice, the old password will be changed. If the same password is not correctly entered twice, the screen will display New Pw.----, then you have to reenter the password.
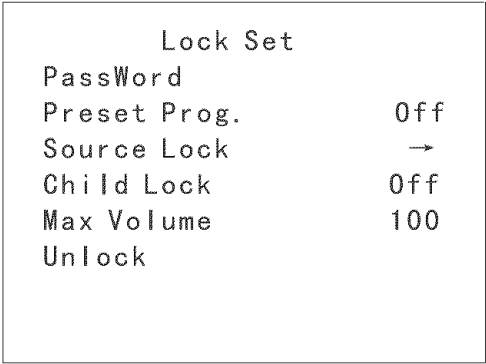
Note:

The initial password is **0000**, and the security default password is **9443**. If Unlock is activated, the password setup cannot be changed.

Caution:

The monitor has the function of security default lock. Password needs to be entered when the program lock mode is to be set. The initial password of the monitor is 0000 and security default password is 9443.

```
    PassWord        * * - -
```

Change password

```
    Old Pw.  - - - -
```

Press digit button on the remote control to enter the digits.

```
    New Pw.  - - - -
```

```
    Confirm - - - -
```
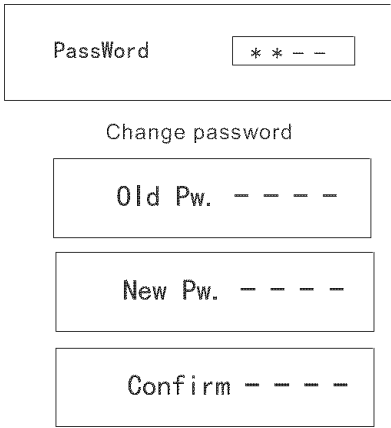
Preset Prog.

Preset Prog. is opted for setting up start signal resource. Press ▲/▼ button to select Preset Prog.. Press ◄/►
button, sources can be swapped in AV1/SVideo/YPbPr/VGA/DVI/Off mode. After setup, the set mode will be entere
entered if the monitor is switched off and on again.

Source Lock

Source Lock is opted to hinder external input modes, such as AV, S -Video and VGA. Press ▲/▼ button to select
the option, and press ◄/► or ENTER button to display Source Lock menu

Press ▲/▼ button to select desired option. Press ◄/► button to set up the mode of
Source Lock. If some Source Lock is set on, the mode will be entered and the screen
will display blue background with the mute mode activated and Lock. In lock
on mode, when screen is blank, icon Lock will be always displayed on the screen

If lock mode is to be verified, enter Source Lock submenu and set relative mode off
or select Unlock mode in the Preset Prog. Menu.

```
        Source Lock
AV1               Off
S-Video           Off
YPbPr/YCbCr       Off
VGA               Off
DVI               Off
```

Child Lock

Press ▲/▼ button to select Child Lock. Press ◄/► button to set On or Off mode. If lock on mode is set, Child Lock is
inactivated automatically. In such case, If buttons on monitor are pressed, the screen will display Child Lock, which
can be erased by press of EXIT button. 5 seconds later after the latest press, the screen display will disappear auto-
matically. The Child Lock mode can be resumed by entering Lock Set menu to set Child Lock off or active Unlock.

Max Volume

Press ▲/▼ button to select Max Volume. Press ◄/► button for adjustment between 0~ 100. If a
certain value is set, when volume is being adjusted, the sound value cannot exceed maximum volume value. If current
volume is over Max Volume, when Lock Set menu is set, current volume will become set maximum volume. If current
volume is below maximum volume, customer set volume will stay unchanged

Unlock

Press ▲/▼ button to select Unlock mode. Press ◄/► or ENTER button to unlock all set modes, setting all lock options to off,
and the maximum volume returns to 100.

Screen Menu Options

Auto Adjustment

- RGB (PC) mode only; This function doesn't work for RGB-DTV mode.
- Automatically adjusts picture position and minimizes image shaking .
- After adjustment, if the image is still not correct, your monitor is functioning properly but needs further adjustment.
- The Auto sync are not active in DVI mode.

1. Press the **MENU** button and then use ◀ / ▶ button to select the ADJ menu.

2. Press the ▲ / ▼ button to select Auto Sync

3. Press the ◀ / ▶ or ENTER button to run Auto Sync.

   • When Auto Sync has finished, a better quality picture will be shown on screen.
   • If the position of the image is still not correct, try Auto adjustment again.

   Note: It is better to use Reset instead of Auto sync in 480P,720P,1080i,

4. In RGB (PC) mode, if the image needs to be adjusted more after using Auto
   Sync . you can try Auto Sync again.

Setting Picture Format

- Caution: If a 4:3 or one to one fixed image is on the screen for a long time, it may remain visible. This is called burn-in.
- Set every aspect ratio for Video, Component 480i sources.
- Use 4:3, or 16:9 for other RGB-PC and DVI-PC sources.
- Horizon is available for Component (480p,720p,1080i), DTV (480p,720p,1080i) sources.

1. Press the **ARC** button repeatedly to select the desired picture format.

   • 4:3 Mode
   Choose 4:3 when you want to view a picture with an original 4:3 aspect ratio, with black bars appearing at both the
   left and right sides.

   • Full screen(correspond with 16:9)
   Choose Full Screen when you want to adjust the picture horizontally, in a linear proportion to fill the entire screen.

   • One to one
   Choose One to one when you want to adjust the picture in real proportion (Only available in PC signal, especial for 800X600
   mode and modes of under it)

   • Vertical Zoom
   - Choose Vertical Zoom when you want to adjust the picture vertically, that is without any back bars

   • Half Zoom
   - Choose Half Zoom when you want to enlarge the picture vertically by enlarge top of the picture, that is the letters on the
   bottom are still on the screen.

   • Panorama
   - Choose Panorama when you want to enlarge the two sides of the picture in a non-linear proportion.

   Note: The setting of aspect ratio is respective in different signal source , that means different aspect ratio could be saved
   in different source

Screen Position

- This function works in the following modes:
  RGB-PC, RGB-DTV (480p,720p,1080i), DVI-DTV (480p,720p,1080i), COM-
  PONENT (480p,720p,1080i).

1. Press the **MENU** button and then use ◀ / ▶ button to select the ADJ menu.

2. Press the ▲ / ▼ button to select Adjust

3. Press the ◀ / ▶ or enter button to enter the submenu

4. Press the ▲ / ▼ button to select one option and then press ◀ / ▶ to adjust

5. Press MENU or EXIT to exit it.

Troubleshooting Checklist

**No picture &
No sound**

- Check whether the monitor is turned on from both frontbutton and theback switch.
- Is the power cord inserted into wall power outlet?
- Test the wall power outlet, plug another product's power cord into the outlet where the monitor's power cord was plugged in.

**Picture OK &
No sound**

- Press the VOL+ button.
- Sound muted? Press **MUTE** button.

**The remote control
doesn't work**

- Check to see if there is any object between the monitor and the remote control causing obstruction.
- Are batteries installed with correct polarity (+ to +, - to -)? (Refer to p.8)
- Correct remote operating mode set: VCR etc.?
- Install new batteries. (Refer to p.8)

**Picture appears slowly
after switching on**

- This is normal, the image is muted during the display startup process. Please contact your service center, if the picture has not appeared after five minutes.

**No or poor color
or poor picture**

- Select **Color Temperature** in the **ADJ** menu and press the ◀ / ▶ button to adjust.
- Keep a sufficient distance between the monitor and the VCR.
- Activate any function to restore the brightness of the picture.

**Horizontal/vertical bars
or picture shaking**

- Check for local interference such as an electrical appliance or power tool.

**No output from one of
the speakers**

- Adjust **Balance** in the **SOU**. menu. (Refer to p.21)

**Unusual sound from
inside the monitor**

- A change in ambient humidity or temperature may result in an unusual noise when the plasma display is turned on or off and does not indicate a fault with it

Maintenance

- Early malfunctions can be prevented. Careful and regular cleaning can extend the amount of time you will have your new monitor. Be sure to turn the power off and unplug the power cord before you begin any cleaning.

Cleaning the Screen

1. Here's a great way to keep the dust off your screen for a while. Wet a soft cloth in a mixture of lukewarm water and a little fabric softener or dish washing detergent. Wring the cloth until it's almost dry, and then use it to wipe the screen.

2. Make sure the excess water is off the screen, and then let it air-dry before you turn on your monitor.

Cleaning the Cabinet

To remove dirt or dust, wipe the cabinet with a soft, dry, lint-free cloth.
Please be sure not to use a wet cloth.

Extended Absence

If you expect to leave your monitor dormant for a long time (such as a vacation), it's a good idea to unplug the power cord to protect against possible damage from lightning or power surges.

The PDP Manufacturing Process: a few minute colored dots may be present on the PDP screen

The PDP (Plasma Display Panel), which is the display device of this product is composed of 0.9 to 2.2 million cells. A few cell defects will normally occur in the PDP manufacturing process. Several tiny, minute colored dots visible on the screen should be acceptable. This also occurs in other PDP manufacturers' products. The tiny dots appearing does not mean that this PDP is defective. Thus a few cell defects are not sufficient cause for the PDP to be exchanged or returned. Our production technology minimizes these cell defects during the manufacture and operation of this product.

Product Specifications

MODEL	42EP24S
Dimensen(WXHXD) Unit::inches/mm (main compoment)	41.3X3.4X26.1/1050X664X86
Weight (pounds / kg)	60.6/27.5
Resolution	852X480(Dot)
Power requirement	120V~ , 60Hz
Color System	NTSC
Color	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%
Maximum Elevation	6561 feet (2000m)
Speakers	Impedance	$8\,\Omega$
	Input consumption	2X10W
	Size(WXHXD) (inches/mm)	4.3X21.9X2.4/110X556X62
	Weight (pounds/kg)	2X5.5/2X2.5

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

Warranty

This Haier brand product, when shipped in its original container, will be free from defective workmanship and materials, and Haier agrees that it will, at its option, either repair the defect or replace the defective product with a new or re-manufactured equivalent at no change to the purchaser, for parts or labor for the periods set forth below.

This warranty does not apply to the appearance of the product or the exterior of the product, which has been damaged or defaced, altered or modified in design or construction. It does not apply to the additional excluded items set forth below.

The warranty commences on the date the item was purchased and the original purchase receipt must be presented to the authorized service center before warranty repairs are rendered.

The limited warranty described herein is in addition to whatever implied warranties may be granted to purchasers by law. ALL IMPLIED WARRANTIES INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR USE ARE LIMITED TO THE PERIOD(s) FROM THE DATE OF PURCHASE. Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you.

Neither the sales personnel of the seller nor any other person is authorized to make any warranties other than those described herein, or to extend the duration of any warranties beyond the time period described herein on behalf of Haier.

The warranties described herein shall be the sole and exclusive warranties granted by Haier and shall be the sole and exclusive remedy available to the purchaser. Correction of defects in the manner and for the period of time described herein shall constitute complete fulfillment of obligations and responsibilities of Haier to the purchaser with respect to the product and shall constitute full satisfaction of all claims, whether based on contract, negligence, strict liability or otherwise. In no event shall Haier be liable, or in any way responsible, for any damages or defects in the product which were caused by repairs or attempted repairs performed by anyone other than an authorized service center or dealer, nor shall Haier be liable, or in any way responsible, for incidental or consequential economic or property damage. Some states do not allow the exclusion of incidental or consequential damages, so the above exclusion may not apply to you.

THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS. YOU MAY ALSO HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE.

Warranty period for this product: 90 days for labor, one year for parts, in home service. Additional items excluded from warranty coverage: non-rechargeable batteries. What to do to obtain service or to obtain product literature, accessories, supplies or customer assistance: Simply call 1-877-337-3639. Be sure to have proof of purchase.

Haier