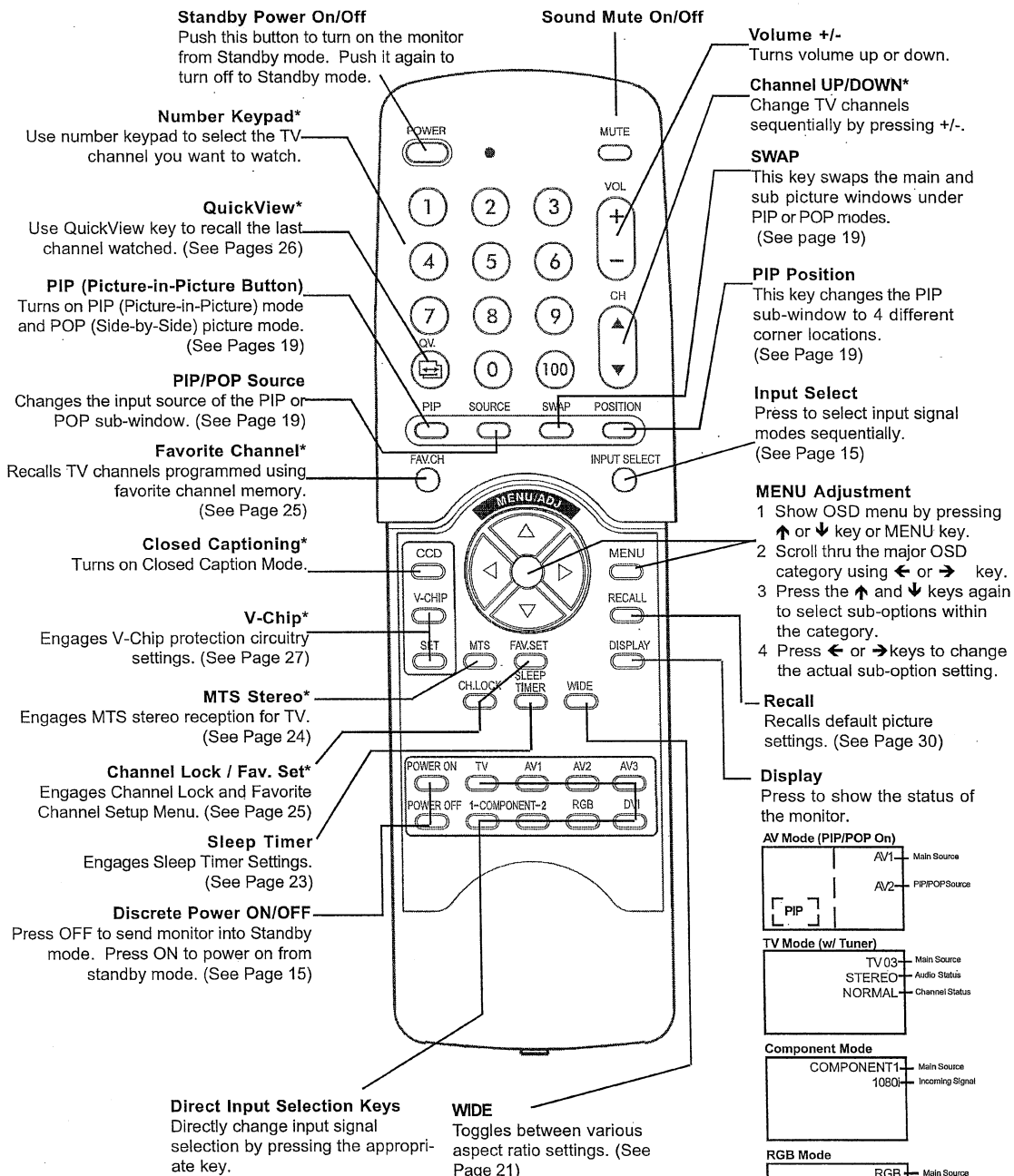


UNDERSTANDING YOUR MONITOR

Full-Function Remote Control



*Only applicable with TV tuner installed

USING THE MONITOR - BASICS

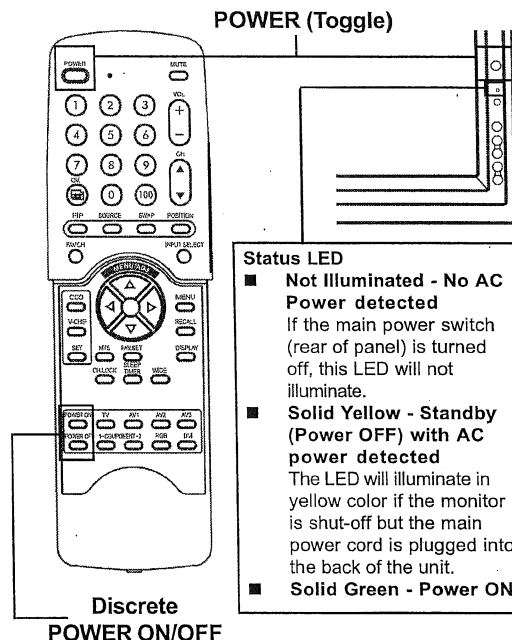
Powering ON / OFF

Using Front Panel or Remote Control

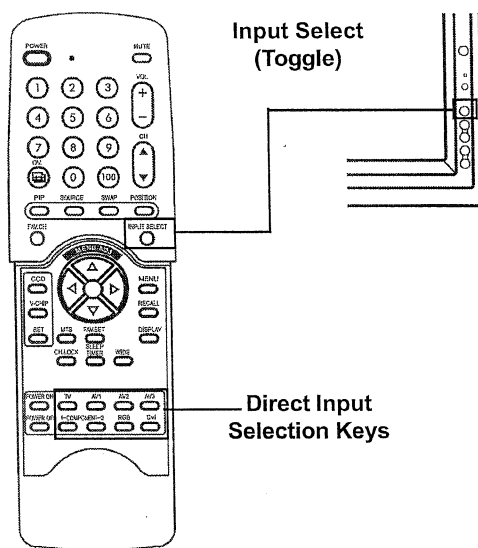
1. Make sure the monitor is plugged into the wall outlet and the main AC switch located in the rear of the monitor is switched to ON position. If the power is plugged in and the AC switch is on, the STATUS LED will illuminate in solid yellow color.
2. Press the POWER button on the front panel or the remote control.
3. The monitor will now turn on after a brief pause. The STATUS LED will now turn green to indicate power on status.
4. To turn power off, simply press the POWER button on the front panel or the remote control once again.

Using Discrete Power ON/OFF Keys

1. The discrete POWER ON/OFF keys send two discrete signals to the monitor.
2. To turn power on, simply press the POWER ON button. If the monitor is turned on already, pressing this button will have no effect.
3. To turn off power, simply press the POWER OFF button. If the monitor is already turned off, pressing this button will have no effect.



Selecting Signal Source



TV* → AV → S-VIDEO → COMPONENT1
DVI ← RGB ← COMPONENT2

Using Direct Input Selection Keys

1. If you prefer not to cycle thru all available inputs, you can use the Direct Input Selection keys located towards the bottom of the remote control.
2. Simply select the input that you would like to switch to and press the Direct Input Selection key for that input.

Notes:

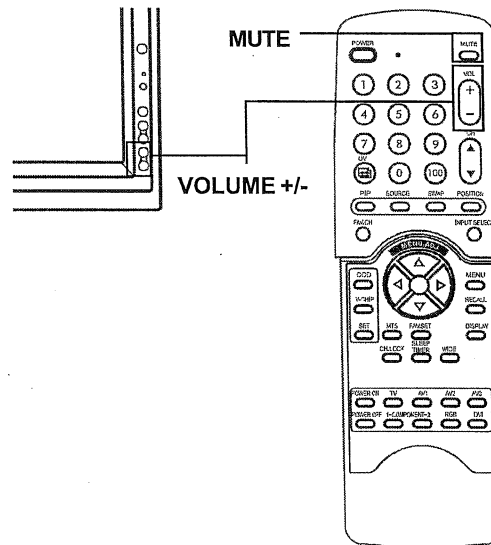
- If TV tuner is not installed, TV option will not be available.
- Some of the Direct Input Selection keys will not be applicable for this monitor.
For AV mode, use AV1.
For S-Video, use AV2.

USING YOUR MONITOR - BASICS

Adjusting Sound Volume

Using Front Panel or Remote Control

1. To turn up sound volume, press VOLUME + on either the front panel of monitor or on the remote control.
2. To turn down sound volume, press VOLUME - on either the front panel of monitor or on the remote control.



Using MUTE

1. If you would like to silence the volume on a temporary basis, simply press the MUTE key to silence the volume.
2. When the monitor's volume is muted, the monitor will display "MUTE" on the upper right corner of the screen.
3. To disengage the mute mode, simply press the MUTE key or the VOLUME +/- button again.

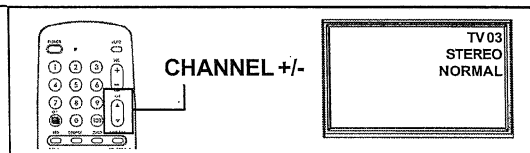
Notes:

- If the monitor's built-in speakers are turned off using the OSD, then volume controls will not affect volume generated by the built-in speaker.
- Volume controls are valid when audio output is set to "variable" (See page 26). If audio output is set to "fixed", then volume control is not active.

Changing Channels (TV Mode Only)

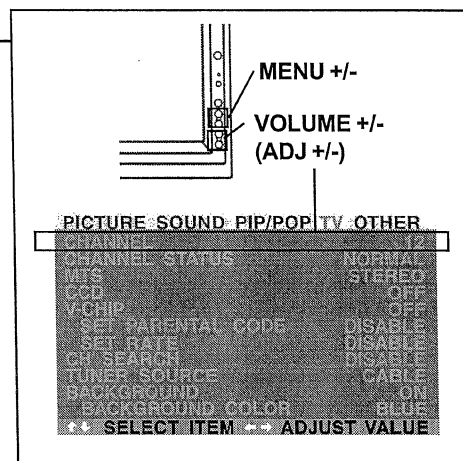
Using Remote Control

1. Switch input to TV mode.
2. The monitor will now display the current channel on the upper right corner of screen.
3. To change channels, press either CHANNEL +/- button or number keypad on the remote control.



Using Front Panel & OSD Menu

1. Switch input to TV mode.
2. Press the MENU +/- Key to display OSD
3. Press the ADJ + Key a few times until the TV menu (see sample to the right) within the OSD is displayed.
4. Press the MENU - Key once to scroll down to "CHANNEL".
5. Press the ADJ +/- Key to adjust the TV channel.



Note:

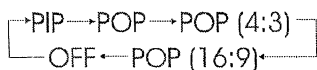
- TV mode is only available with TV Tuner installed.

ADVANCED FUNCTIONS

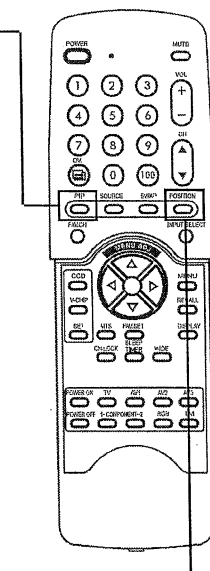
Picture-In-Picture (PIP) / Side-by-Side Picture (POP)

Turn On PIP or POP Mode

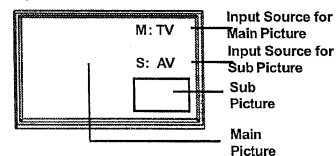
1. Press the PIP key once on the remote control to engage in PIP mode. Pressing the PIP again will switch to POP mode. Pressing the PIP key sequentially will cycle between:



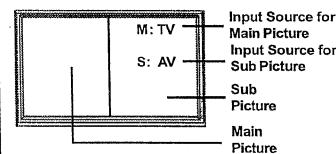
2. When engaged in PIP mode, a small window is displayed in one of the four corners. The OSD on the upper right corner will denote the input selected for main picture (large screen) and the sub-picture (small screen) displayed.
3. If switched to POP mode, the screen will be split in half. The screen on the left side is the main picture and the screen on the right is the sub-picture. The OSD on the upper right corner will denote the input signal source for both the main and sub-pictures.



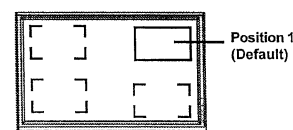
PIP Mode



POP Mode



Sub-Picture Positions



Changing the Sub-Picture Position in PIP Mode

1. Once the PIP mode is turned on, you can switch the PIP sub-picture position to any one of the four corners of the screen.
2. Press the POSITION key to switch position. Pressing the POSITION key repeatedly will cycle through all four corners of the screen.
3. This function is not applicable under POP mode.

Notes:

1. POP (4:3) Mode will preserve 4:3 aspect ratio for both images displayed in the POP windows.
2. POP (16:9) Mode will preserve 16:9 aspect ratio for both images displayed in the POP windows.

Switching Main and Sub-Pictures (SWAP)

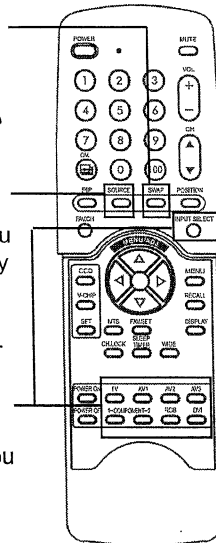
1. You can swap the main picture and sub-picture using the SWAP key. Press the SWAP key once to swap. Press the SWAP key again to switch back.

Changing the Input Source for Sub-Picture

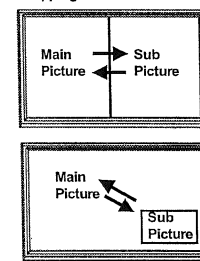
1. Once the PIP or POP mode is turned on, you can change the sub-picture's input source by pressing the SOURCE key.
2. Pressing the SOURCE key repeatedly will cycle through all available inputs for the sub-picture.

Changing the Input Source for Main Picture

1. Once the PIP or POP mode is turned on, you can change the main picture's input source by pressing the INPUT SELECT key or any one of the DIRECT INPUT KEYS.



Swapping



All PIP and POP related settings are also accessible using the on-screen Menu display. Please see page 20 for details.

ADVANCED FUNCTIONS

Picture-In-Picture (PIP) / Side-by-Side Picture (POP) - Con't

Notes:

- PIP mode can only be turned on if the monitor's input is set to: TV, AV, S-Video, Component 1 and 2. If the monitor's main input is set to RGB or DVI, the PIP and POP will not function.
- If the monitor's input is set to Component 1 or Component 2, the PIP will only turn on if the input signal source is compatible with 15KHz signals such as 480i and Y/Cb/Cr signals.
- When changing input source for sub-pictures to Component 1 and Component 2, only 15KHz compatible signals such as 480i and Y/Cb/Cr will result in a video picture display. If another signal other than 15KHz is detected, the sub-picture may display distorted video signals.
- Once PIP is turned off, the next time you return on PIP mode, the position of the sub-window will start at default position.

Accessing PIP and POP Modes Modes using OSD

You can also use the OSD menu to access the same PIP and POP mode functions. To access these modes using OSD:

1. Press the MENU +/- keys on the remote or the front control panel.
2. Use the ADJ +/- keys to switch to "PIP/POP" Menu.
3. Make sure that the "Picture" OSD menu below is displayed.
4. Use the MENU +/- keys to move up and down to choose the sub-category you wish to change.
5. Use the ADJ +/- keys to actually change the setting.

PICTURE SOUND PIP/POP TV OTHER

PIP

SOURCE POSITION

H-LOCATION

V-LOCATION

SWAP

POP

SOURCE

SCREEN RATE

SWAP

SELECT ITEM ADJUST VALUE

PIP On/Off

Input Source Selection

PIP Window Position

1. Choose between FIXED or VARIABLE windows position.
2. If set to FIXED, the PIP window can be set in any one of the four corners of the screen. Use H-LOCATION and V-LOCATION to set the position of the window.
3. If set to VARIABLE, the PIP window can be variably set to anywhere on the screen using H-LOCATION and V-LOCATION.

PIP Window SWAP

1. By default, the OSD will always display DISABLE. To swap the main and sub windows, use the ADJ +/- key to swith to ENABLE. Once the swap is complete, the OSD will return to display DISABLE.

PICTURE SOUND PIP/POP TV OTHER

PIP

SOURCE POSITION

H-LOCATION

V-LOCATION

SWAP

POP

SOURCE

SCREEN RATE

SWAP

SELECT ITEM ADJUST VALUE

POP On/Off

Input Source Selection

Screen Rate (Aspect Ratio Control)

1. When POP (Side-by-side) picture is turned on, you can change the aspect ratio for the image displayed.
2. Choose FULL to show a full screen image. The displayed image may appear distorted because the monitor has to manipulate the image so that it fits within the smaller window.
3. Choose 4:3 to show an image in native 4:3 aspect ratio within the POP windows. Small black bars are added in order to maintain a true 4:3 aspect ratio.
4. Choose 16:9 to show an image in wide-screen aspect ratio within the POP windows. Small black bars are added in order to maintain a true 16:9 aspect ratio.

PIP Window SWAP

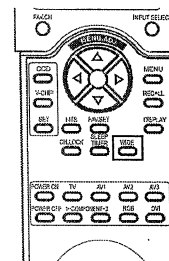
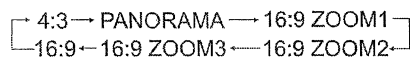
1. By default, the OSD will always display DISABLE. To swap the main (left) and sub (right) windows, use the ADJ +/- key to swith to ENABLE. Once the swap is complete, the OSD will return to display DISABLE.

ADVANCED FUNCTIONS

Widescreen (16:9 Aspect Ratio) Viewing Modes

Understanding Widescreen Modes

This plasma monitor is capable of displaying a widescreen image on the native 16:9 aspect ratio screen. However, not all available broadcast or video content fits perfectly in a widescreen (16:9) format resulting in unused screen space. Please use the following guidelines to determine suitable widescreen viewing modes available that best support the type of broadcast / video content you wish to display. All widescreen viewing modes are available by pressing the WIDE key. Pressing the WIDE key will repeatedly cycle through:



For 4:3 Aspect Ratio (Square) Content

Content from TV, VCR, and some DVD's are formatted using a "square" 4:3 format:



Then we recommend the following three viewing options:



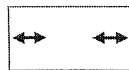
4:3 (NORMAL)

In 4:3 mode, the original 4:3 image is preserved but black bars are added to the extra space on the left and right.



16:9 (FULL)

The original 4:3 image is proportionally stretched to fill the entire screen.

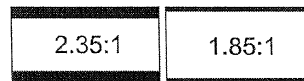


PANORAMA

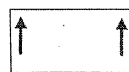
The original 4:3 image is stretched only on the left and right sides to fill the screen, leaving the center image unchanged.

For Widescreen Content

Many popular DVD titles are "anamorphic" (widescreen); however, there are two predominant "anamorphic" (widescreen) aspect ratios: 2.35:1 and 1.85:1. When 2.35:1 content is displayed on this 16:9 widescreen monitor, you will notice smaller black bars on top or bottom of the screen. When a 1.85:1 content is displayed, you will still see black bars, but not as large as 2.35:1.



If you do not want to see the black bars when playing back a widescreen movie, you can set to ZOOM 2 or ZOOM 3 to fully stretch the image.



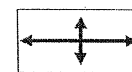
ZOOM: 1

Zoom1 shifts the image up to facilitate the display of subtitles.



ZOOM: 2

Zoom 2 is set to stretch 1.85:1 content to full screen eliminating the black bars.



ZOOM: 3

Zoom 3 is set to stretch 2.35:1 content to full screen eliminating the black bars.

Notes:

1. 4:3 and Panorama modes are not available when zoom mode is engaged.
2. When using Component 1 and Component 2 inputs to display 480p, 1080i or 720p, Panorama mode is not available.
3. When using RGB or DVI inputs, only 4:3 and 16:9 modes are available.
4. Do not stay in 4:3 mode for an extended period, as this may cause a permanent after-image to remain on your screen.

ADVANCED FUNCTIONS

Widescreen Viewing Modes (Con't)

Accessing Widescreen Viewing Modes using OSD

You can also use the OSD menu to access the same widescreen and zoom mode functions. To access these modes using OSD:

1. Press the MENU +/- keys on the remote or the front control panel.
2. Make sure that the following "Picture" OSD menu is displayed.
3. Use the MENU +/- keys to navigate to SCREEN WIDTH and use the ADJ +/- keys to switch between 4:3, 16:9 or PANORAMA.
4. Use the MENU +/- keys to navigate to ZOOM and use the ADJ +/- keys to switch between zoom 1, 2 or 3. Please note that this function is not accessible unless the SCREEN WIDTH is set to "16:9".

PICTURE	SOUND	PIP/POP	TV	OTHER
INPUT SOURCE			TV	
CONTRAST			100	
BRIGHT			50	
COLOR			50	
TINT			50	
SHARPNESS			50	
COLOR TEMPERATURE			6500K	
CLOCK PHASE			50	
SCREEN WIDTH			16:9	
ZOOM			OFF	
SELECT ITEM ADJUST VALUE				

On-Screen Display (OSD) Settings

Accessing OSD Settings Menu

You can set various OSD display settings from the OSD menu.

1. Press the MENU +/- keys on the remote or the front control panel.
2. Use the ADJ +/- keys to navigate to "OTHER" OSD sub-menu as displayed below.

PICTURE	SOUND	PIP/POP	TV	OTHER
OSD TIMEOUT				OFF
SET OSD TIME				5
OSD BRIGHTNESS				9
OSD BACKGROUND				ON
SLEEP				OFF
SLEEP TIME				50
POWER SAVE				OFF
S/W VERSION				42S6-0125
INPUT H-FREQ [KHZ]				46.5
INPUT V-FREQ [HZ]				75
SELECT ITEM ADJUST VALUE				

OSD Timeout

Turns on OSD timer when set to ON. When set to ON, the OSD will automatically disappear from the display if no key action is detected for the set number of seconds. If set to OFF, then OSD will remain on the screen.

OSD Time Setting

Sets the number of seconds the OSD will remain active on the display before turning itself off. OSD TIMEOUT must be set to ON for this setting to function.

OSD Brightness

Sets the brightness level of OSD screen between 1 and 10.

OSD Background

You can set the OSD menu's background to transparent or with a blue background. Set to OFF if you want a transparent setting. Set to ON if you want a blue background.

Note:

To prevent permanent after-image, we strongly suggest setting the "OSD TIMEOUT" to ON.

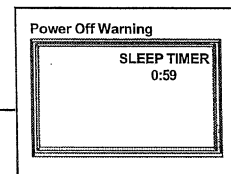
ADVANCED FUNCTIONS

Sleep Timer Settings

Setting Sleep Timer Using OSD

To set the sleep timer using the OSD screen:

1. Press the MENU +/- keys on the remote or the front control panel.
2. Use the ADJ +/- keys to navigate to "OTHER" OSD sub-menu as displayed below.
3. Use the MENU +/- keys to navigate to SLEEP function.
4. Use the ADJ +/- keys to set to ON.
5. The monitor will function normally until the 1-minute mark. At the 1-minute mark, the sleep timer will display a second by second count-down clock to notify that you that the monitor is about to turn off.



PICTURE	SOUND	PIP/POP	TV	OTHER
OSD TIMEOUT				OFF
SET OSD TIME				5
OSD BRIGHTNESS				8
OSD BACKGROUND				ON
SLEEP				OFF
SLEEP TIME				50
POWER SAVE				OFF
S/W VERSION				4256-0125
INPUT H-FREQ [KHZ]				46.9
INPUT V-FREQ [HZ]				75
SELECT ITEM ← → ADJUST VALUE				

Sleep Timer On/Off

To turn on sleep timer, switch to ON position. To turn OFF sleep timer, switch to OFF.

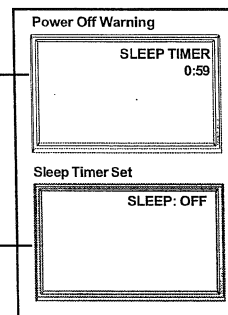
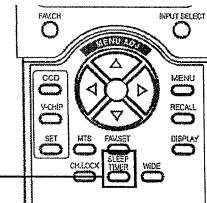
Timer Setting

You can set the turn-off timer from 1 to 120 minutes. Use the ADJ +/- keys to set any number between 1 and 120.

Setting Sleep Timer Using Remote Control

To set the sleep timer using the remote control:

1. Press the SLEEP TIMER key on the remote. This will display the sleep timer display on the upper right corner of screen.
2. Pressing the SLEEP TIMER key again will cycle the sleep timer through all the preset times.
3. When setting is complete, simply press the DISPLAY key to hide the sleep timer display. Your sleep timer is now running in the background.
4. The monitor will function normally until the 1-minute mark. At the 1-minute mark, the sleep timer will display a second by second count-down clock to notify that you that the monitor is about to turn off.
5. If you wish to turn the sleep timer OFF before it shuts itself off, simply press the SLEEP TIMER key again and cycle through all the preset times until "SLEEP: OFF" is displayed.



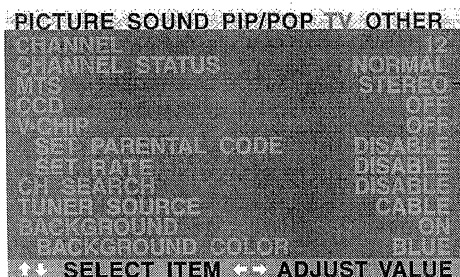
ADVANCED FUNCTIONS

TV Tuner Settings

Accessing the TV Settings Menu

If your monitor is equipped with the optional tuner module, available TV tuner settings can be displayed by:

1. Press the MENU +/- keys on the remote or the front control panel.
2. Use the ADJ +/- keys to navigate to "TV" OSD sub-menu as displayed below.
3. Use the MENU +/- keys to select the option you would like to set. A description of each option is described in this section.
4. Use the ADJ +/- keys to change actual settings.



MTS

Sets stereo reception settings for the TV tuner. This function is also accessible using the remote control's MTS key. Pressing the MTS key will cycle the tuner through all three settings.

■ STEREO

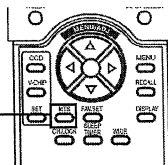
Set status to STEREO to receive stereo reception from TV broadcasts when available. Not all TV broadcasts are transmitted with stereo sound capability.

■ MONO

Set status to MONO to set audio to mono mode.

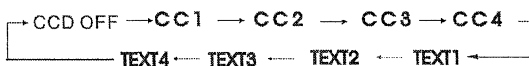
■ SAP

Set status to SAP (Second Audio Program) to receive audio simulcasts in other languages. Not all TV broadcasts are transmitted with second audio program.



CCD

Sets Closed Captioning function. It will through the following settings.



Note: Only CC1 mode is enabled for U.S. models.

CHANNEL SEARCH

Channel search will automatically search for TV channels with a broadcast signal. Channel search will skip over channels that do not have a reception so you don't have to watch them as you change through channels. By default, channel search will always be set to DISABLE. To engage channel search, simply set to ENABLE.

TUNER SOURCE

The TV tuner is compatible with Cable TV or standard reception using an antenna. If you are using Cable TV, set the TUNER SOURCE setting to CABLE. If you are using an antenna, set the setting to AIR.

BACKGROUND / BACKGROUND COLOR

Background setting eliminates the "snowflake" effect that results when a TV channel is not available by displaying a colored background. The BACKGROUND COLOR setting allows you to choose the color preference.

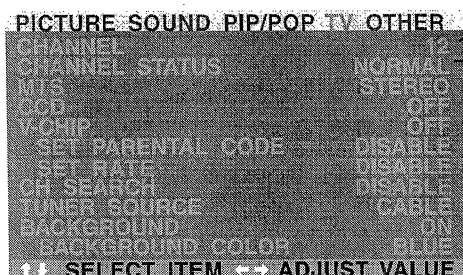
ADVANCED FUNCTIONS

Favorite Channel / Channel Lock

Favorite Channel and Channel Lock Settings

Favorite Channel and Channel Lock settings can be set from both the OSD or the remote control. When using the OSD:

1. Press the MENU +/- keys on the remote or the front control panel.
2. Use the ADJ +/- keys to navigate to "TV" OSD sub-menu as displayed below.
3. Use the MENU +/- keys to select CHANNEL STATUS option. A description of available settings are listed below.
4. Use the ADJ +/- keys to change actual setting.



CHANNEL

Selects the channel to display by the monitor. This has the same function as CH UP/DOWN keys on the remote control

CHANNEL STATUS

Sets various advanced settings for the selected TV channel.

■ NORMAL

Set channel status to Normal to make the channel available for viewing.

■ ERASE

Set channel status to ERASE to make the channel un-available for viewing. When you use CH UP/DOWN keys to scroll thru channels, this channel will skip. However, this channel can still be tuned by manually keying the channel using the number keypad on the remote.

■ FAV

Set channel status to FAV (Favorite) to program the channel as part of favorite channel. Favorite channels can then be recalled using the FAV.CH key located on the remote control. If you want to remove the Favorite Channels settings, simply set the CHANNEL STATUS to NORMAL.

■ LOCK

Set channel status to LOCK to block the channel from viewing. When set to LOCK status for the first time, you will be prompted to enter a passcode. This passcode is the same passcode used for V-Chip setting (default is 0000 - please see page 28 for additional details). Once this passcode is entered, then the channel will be set to LOCK position.

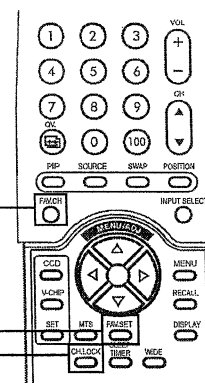
Using Remote Control

Favorite Channel and Channel Lock settings can be set from both the OSD or the remote control. When using the remote control to set Favorite Channel:

1. Use the CH UP/DOWN keys to scroll to the channel you wish to set as favorite channel.
2. Press the FAV.SET key on the remote control.
3. The selected channel is now set as part of the Favorite channel selection.
4. To watch your favorite Favorite Channel settings, press FAV.CH key to recall your settings.
5. If you wish to remove the Favorite Channel setting, simply press FAV.SET key again. The on-screen display will set the channel status to "NORMAL"

When using the remote control to set Channel Lock:

1. Use the CH UP/DOWN keys to scroll to the channel you wish to lock.
2. Press the CH LOCK key on the remote control.
3. You will now be prompted to enter a 4-digit passcode. Enter a 4-digit passcode using the keypad.
4. After setting the passcode, the channel is now locked and viewing is not possible unless the same passcode is entered.
5. If you want to unlock the channel, simply press CH LOCK key again, you will be asked to enter passcode. After entering the passcode, the channel is now unlocked.



ADVANCED FUNCTIONS

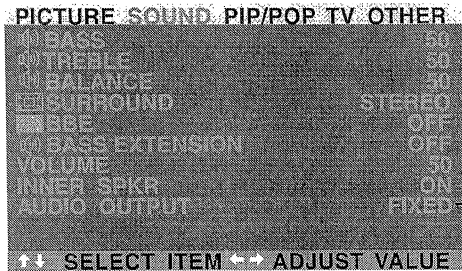
Variable and Fixed Audio Output

Setting Output Using OSD

You can set the type of output this monitor outputs from its audio output jack located in the rear of the monitor. By using an OSD based switch, you can easily choose between variable or fixed audio outputs.

To set the audio output setting:

1. Press the MENU +/- keys on the remote or the front control panel.
2. Use the ADJ +/- keys to navigate to "SOUND" OSD sub-menu.
3. Use the MENU +/- keys to select the AUDIO OUTPUT option.
4. Use the ADJ +/- keys to change setting between FIXED or VARIABLE.



AUDIO OUTPUT

Sets the type of audio output sent from the audio output jacks located in the rear of monitor.

■ VARIABLE

When set to Variable, audio output is affected by the monitor's internal audio controls including bass, treble, surround, BBE, bass extension, and volume.

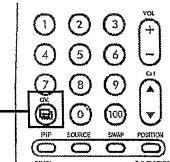
■ FIXED

When set to Fixed, the audio output bypasses the monitor's internal audio control so that functions such as bass, treble, surround, BBE, bass extension, and volume controls have no effect.

Quick View

Using Quick View on Remote Control

Quick View allows you to quickly switch between the channel currently watched and the channel previously watched. Simply press the Quick View key on the remote control to switch. Repeated pressing of the Quick View key will switch the channels back and forth between the two.

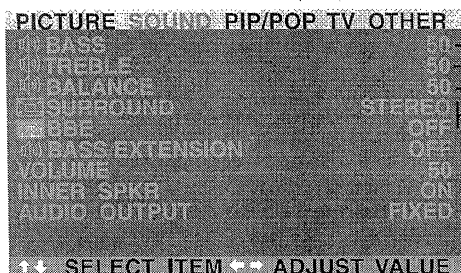


Sound Adjustments

Sound Adjustments Using OSD

Sound adjustments are available to enhance the sound performance of the monitor. These adjustments will affect the monitor's built-in speakers and the AUDIO OUTPUT jacks when set to "Variable" (see above section). To access sound adjustments:

1. Press the MENU +/- keys on the remote or the front control panel.
2. Use the ADJ +/- keys to navigate to "SOUND" OSD sub-menu.
3. Use the MENU +/- keys to select the various options described in this section.



BASS

Adjusts the BASS level of the sound. For more bass response, increase the BASS level.

TREBLE

Adjusts the TREBLE level of the sound. For more vocal and high frequency response, increase the TREBLE level.

BALANCE

Adjusts the BALANCE level between LEFT and RIGHT channels. A value of 50 is the center point between LEFT and RIGHT. To shift the sound towards the RIGHT, increase the value up to 100. To shift the sound towards the LEFT, reduce the value down to 1.

SRS® Surround Sound and BBE® Sound

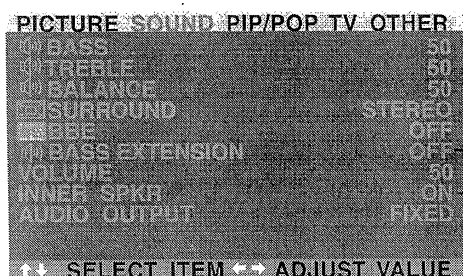
This monitor is equipped with SRS® Surround Sound and BBE® Sound Maximizer circuitry. Use SRS Surround Sound to simulate a surround sound effect if you are not using a multi-channel sound setup. Use the BBE Sound Maximizer when using the monitor to playback live performance related audio programs.

ADVANCED FUNCTIONS

Sound Adjustments (Con't)

Switching OFF Built-In Speakers

This monitor is equipped with built-in speakers. You can switch the internal speakers ON or OFF using the OSD. Because these speakers are general purpose, you may consider switching them OFF during hi-fidelity playback of movies or other content.



INNER SPEAKER ON/OFF

Set to ON to turn on the monitor's internal speakers. Set to OFF to turn off internal speakers. This setting will not affect AUDIO OUTPUT jacks.

BASS EXTENSION

Bass extension extends the level of BASS output by the monitor. This function is automatically set to OFF if the INNER SPKR is turned ON to protect the internal speaker from damage. This function will affect the BASS performance only through AUDIO OUTPUT jacks and when the AUDIO OUTPUT setting is set to VARIABLE.

V-Chip

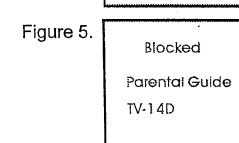
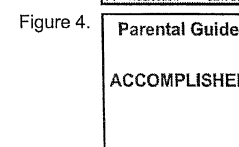
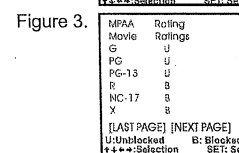
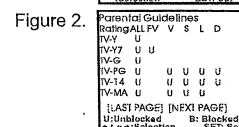
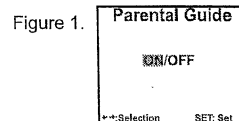
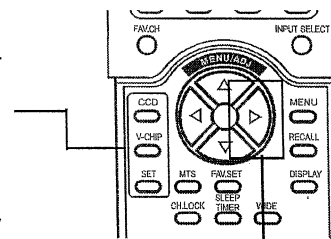
Accessing V-Chip (Parental Guide)

V-Chip (Parental Guide) function is to prevent children from watching programs that are not suitable such as violence or adult language.

1. To set V-Chip, press the V-Chip key on remote control to enter Parental Guide setting.
2. You will now be prompted to enter a passcode using your remote control's keypad. If you have not changed the original default passcode, enter 0000 (this is the default code from factory). To change the default code, please see page 28.
3. The first menu in Figure 1 is displayed. Press the Menu/ADJ key to toggle between ON or OFF. To turn on parental guide, highlight to ON.
4. Press the SET key advance to the next menu (See Figure 2 - Parental Guidelines Rating).
5. Use the MENU/ADJ keys (MENU up/down/left/right keys on the remote) to select which rating you would like to block or unblock. Please see the ratings guideline menu for the meaning of each rating.
6. Use the SET key to toggle between "U" (Unblocked) or "B" (Blocked) settings.
7. When you have completed the settings, press the MENU/ADJ keys (MENU up/down/left/right keys on the remote) to select NEXT PAGE, then press SET key to the next menu (See Figure 3 - MPAA Ratings). Or you can select LAST PAGE to go back to last setting.
8. Use the ADJ keys (MENU up/down/left/right keys on the remote) to select which MPAA rating you would like to block or unblock. Please see the ratings guideline menu below for the meaning of each rating.
9. Use the SET key to toggle between "U" (Unblocked) or "B" (Blocked) settings.
10. When you have completed the settings, press the ADJ keys (MENU up/down/left/right keys on the remote) to select FINISH to complete. The screen will now display "Parental Guide ACCOMPLISHED" for 5 seconds (see Figure 4). Or you can select LAST PAGE to go back to last setting.

Note:

- When a TV program is blocked, a screen similar to Figure 5 is displayed.



ADVANCED FUNCTIONS

V-Chip (Con't)

Parental Guide Table

For Parental Guideline
 FV: Fantasy Violence
 D: Sexually Dialog
 L: Adult Language
 S: Sexual Situations
 V: Violence
 TV-Y: All Children
 TV-Y7: Older Children

TV-G: General Audience
 TV-PG: Guidance Suggested
 TV-14: Strongly Cautioned
 TV-MA: Mature Audience

For MPAA Rating
 G: General Audience
 PG: Parental Guidance
 PG-13: Strongly Cautioned
 R: Restricted
 NC-17: No One Under 17

PASSCODE Setting

Overview

The security passcode setting is used to limit access to V-Chip (Parental Guide) and Channel Lock functions. The same security passcode is used for both functionality. By default, this monitor is shipped with the security passcode set at 0000.

Changing the Passcode

To change the security passcode:

1. Press the MENU +/- keys on the remote or the front control panel to display the OSD menu.
2. Use the ADJ +/- keys to navigate to "TV" OSD submenu.
3. Use the MENU +/- keys to scroll to the "SET PARENTAL CODE" selection.
4. Press the ADJ + key to set the selection to "ENABLE". As soon as you press this button, the Passcode setting menu will be displayed (see Figure 1).
5. Press the default factory passcode 0,0,0,0 if you're setting this passcode for the first time. If you've previously set the passcode, then enter your previously set passcode. If it is entered correctly, then a new passcode menu will be displayed (see Figure 2).
6. Enter a new 4-digit passcode by using the number keypad. Once entered, you will be prompted to re-key the same passcode to verify your setting (see Figure 3).
7. After setting the new passcode, the new passcode will be applicable to all of your previous set Channel Lock or V-Chip functions.

Notes:

- When you are entering the 4-digit passcode, please enter the digits slowly and make sure that the monitor confirms the reception of the code. The monitor will change from "?" to "+" as it received the passcode.
- If you incorrectly enter the wrong passcode three times, the unit will automatically go back to the "TV" OSD sub-menu. Repeat the above procedure to reset your passcode.
- If you incorrectly enter "NEW PASSCODE" three times, the monitor will go back to the "Press NEW PASSCODE" step and request that you set the new passcode again.

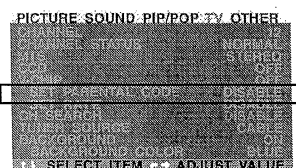


Figure 1.

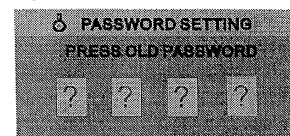


Figure 2.

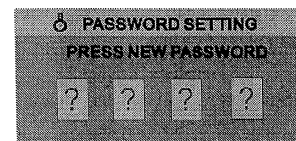
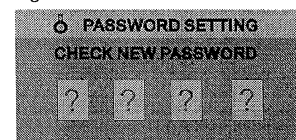


Figure 3.



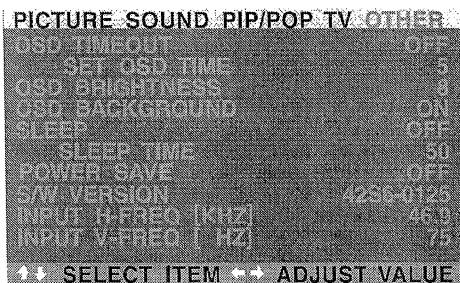
ADVANCED FUNCTIONS

Signal Frequency Information Display

Displaying Frequency of Signal

This monitor is capable of displaying the frequency level of the signal being displayed. To see signal frequency information:

1. Press the MENU +/- keys on the remote or the front control panel.
2. Use the ADJ +/- keys to navigate to the "OTHER" OSD sub-menu.



INPUT H-FREQ (KHZ)

Displays the horizontal signal frequency of the signal currently displayed. Please use the frequency cross reference tables below to see which type of signal is being displayed under various input modes.

INPUT V-FREQ (HZ)

Displays the vertical signal frequency of the signal currently displayed. Please use the frequency cross reference tables below to see which type of signal is being displayed under various input modes.

When Using TV, AV1 and AV2 Inputs

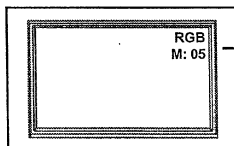
Horizontal	Vertical	Format
15.7	60	NTSC Video
15.6	50	PAL Video

When Using Component 1 & 2 Inputs

Horizontal	Vertical	Format
15.7	60	NTSC Video
15.6	50	PAL Video
15.7	60	480i (SDTV)
31.5	60	480P (EDTV)
33.0	60	1080i (HDTV)
45.0	60	720P (HDTV)

When Using RGB & DVI Inputs

Mode	Horizontal	Vertical	Format	Refresh
1	31.5	59.9	640x480 (VGA)	60
2	37.9	72.8	640x480 (VGA)	72
3	37.5	75.0	640x480 (VGA)	75
4	43.3	85.0	640x480 (VGA)	85
5	35.1	56.3	800x600 (SVGA)	56
6	37.9	60.3	800x600 (SVGA)	60
7	48.1	72.2	800x600 (SVGA)	72
8	46.9	75.0	800x600 (SVGA)	75
9	53.7	85.0	800x600 (SVGA)	85
10	48.4	60.0	1024x768 (XGA)	60
11	56.5	70.0	1024x768 (XGA)	70
12	60.0	75.0	1024x768 (XGA)	75
13	68.7	85.0	1024x768 (XGA)	85
14	64.0	60.0	1280x1024 (SXGA)	60
15*	80.0	75.0	1280x1024 (SXGA)	75
16*	91.1	85.0	1280x1024 (SXGA)	85
18	31.5	70.0	720x400 (DOS)	70
19	31.5	50.0	640x480 (VGA)	50
20*	45.2	60.0	1280x720P (HDTV)	60
21*	33.8	60i	1920x1080i (HDTV)	60
22	31.5	70.0	640x350 (VGA)	70
23	31.7	60.4	852x480 (WVGA)	60
24	35.0	66.7	640x480 (Apple)	67
25	49.7	74.6	832x624 (Apple)	75
26	68.7	75.0	1152x870 (Apple)	75



Notes:

- When using RGB mode, the OSD will display a mode number that references the table above.
- Modes 15, 16, 20, 21 under RGB mode is not available when using with DVI input.
- Modes 24-26 are for use with Apple Macintosh computers.

ADJUSTING PICTURE

For TV/AV / Component Video

Accessing Picture Adjustment Mode

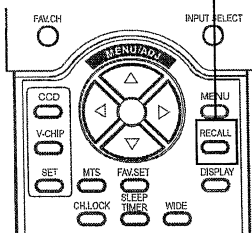
Various picture adjustments can be set using the Picture Adjustment OSD menu. To access the OSD menu:

1. Press the MENU +/- keys on the remote or the front control panel.
2. The first menu displayed is the PICTURE menu. Make sure that the "Picture" OSD menu is displayed.
3. Use the MENU +/- keys to move up and down to choose the option you wish to adjust. An explanation of each adjustment is listed below.
4. Use the ADJ +/- keys to change the setting.

PICTURE	SOUND	PIP/POP	TV	OTHER
INPUT SOURCE			TV	
CONTRAST			100	
BRIGHT			50	
COLOR			50	
TINT			50	
SHARPNESS			50	
COLOR TEMPERATURE			6500D	
CLOCK PHASE			50	
SCREEN WIDTH			16:9	
ZOOM			OFF	
↑↓ SELECT ITEM ←→ ADJUST VALUE				

Notes:

- These controls are available when input selection is set to: TV, AV1, AV2 (S), and Component 1 and Component 2 inputs.
- To restore picture settings to the factory defaults, simply press the RECALL key from the remote control.



CONTRAST

Adjust Contrast to increase the level of "white" in the video picture. Increasing contrast will make white areas of the video picture brighter. Contrast works in conjunction with BRIGHTNESS.



BRIGHTNESS

Adjust brightness to enhance the level of dark areas in the video picture such as night scenes and shadow scenes. Increasing brightness will make dark areas more visible.



COLOR

Use color to adjust the color saturation of the video picture. Increasing color will make the color more intense. Reducing color setting will make the color less intense.



TINT

Use tint to adjust the color of fleshtones. Increasing the tint setting will shift the picture with more cyan (more green appearance). Decreasing the setting will shift the picture with more magenta (more red appearance).



SHARPNESS

Use sharpness to adjust the amount of detail enhancement to the video picture. Increase the setting will enhance the edges of objects in the video picture. Decreasing the setting will reduce enhancement.



COLOR TEMPERATURE

Select the color temperature for white balance. There are four settings to choose from: (1) 6500D - sets the white balance to 6500D; (2) LOW - sets to 5400K; (3) MID - sets to 9300K; (4) HIGH - sets to 13800K



CLOCK PHASE

Use clock phase to fine-tune the monitor to perfectly synchronize the video's signal source. This function is not applicable in this mode.



SCREEN WIDTH

Use to change various screen width modes. See page 21 for more information.



ZOOM

Use to change various digital zoom modes. See page 21 for more information.

Notes:

1. Each of the (4) color temperature settings may not be exactly equal to the temperature setting as defined; however, it will be approximately close.

PICTURE ADJUSTMENT

For RGB / DVI

Accessing Picture Adjustment Mode

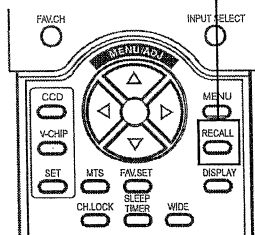
Various picture adjustments can be set using the Picture Adjustment OSD menu. To access the OSD menu:

1. Press the MENU +/- keys on the remote or the front control panel.
2. The first menu displayed is the PICTURE menu. Make sure that the "Picture" OSD menu is displayed.
3. Use the MENU +/- keys to move up and down to choose the option you wish to adjust. An explanation of each adjustment is listed below.
4. Use the ADJ +/- keys to change the setting.

PICTURE	SOUND	PIP/POP	TV	OTHER
INPUT SOURCE				RGB
CONTRAST				50
BRIGHTNESS				50
COLOR TEMPERATURE				6500D
CLOCK PHASE				50
SCREEN WIDTH				16:9
V-SIZE				50
V-CENTER				50
H-WIDTH				50
H-POSITION				50
SELECT ITEM ← → ADJUST VALUE				

Notes:

- These controls are available when input selection is set to: RGB or DVI inputs.
- To restore picture settings to the factory defaults, simply press the RECALL key from the remote control.



CONTRAST

Adjust Contrast to increase the level of "white" in the video picture. Increasing contrast will make white areas of the video picture brighter. Contrast works in conjunction with BRIGHTNESS.



BRIGHTNESS

Adjust brightness to enhance the level of dark areas in the video picture such as night scenes and shadow scenes. Increasing brightness will make dark areas more visible.



COLOR TEMPERATURE

Select the color temperature for white balance. There are four settings to choose from: (1) 6500D - sets the white balance to 6500D; (2) LOW - sets to 5500K; (3) MID - sets to 9300K; (4) HIGH - sets to 13800K



CLOCK PHASE

Use clock phase to fine-tune the monitor to perfectly synchronize the video's signal source.



SCREEN WIDTH

Use to change various screen width modes. There are two selections available: 16:9 and 4:3. Please see page 22 for more information.



V-SIZE

Use to change vertical size of the picture. Increase to enlarge the picture size in the vertical direction. Decrease to reduce the picture size in the vertical direction.



V-CENTER

Use to change vertical position of the picture. Increase to shift the picture up. Decrease to shift the picture down.



H-WIDTH

Use to change horizontal size of the picture. Increase to enlarge the picture size in the horizontal direction. Decrease to reduce the picture size in the horizontal direction.



H-POSITION

Use to change horizontal position of the picture. Increase to shift the picture to the right. Decrease to shift the picture to the left.

Notes:

1. Each of the (4) color temperature settings may not be exactly equal to the temperature setting as defined; however, it will be approximately close.