CONFIGURING AND ADJUSTING THE DISPLAY

Configuring and Adjusting the Display : ANALOG(PC) Mode

Using the system's OSD menus, you can adjust and refine your monitor's image.

The following table describes the initial set-up steps and the other menus available.

Remember, when using the buttons on the front of your monitor:

- Press the AUTO button to activate the auto adjustment function.
- Press the MENU button to display the main menu.
- Use the ◀ ▶ buttons to scroll through the menu items **or** to increase/decrease the value/parameter.
- Press the SELECT button to choose the desired menu item **and** to store the new value/parameter.

★ **Select the Input Source Mode**

1. After all the connections are made, turn ON both the Computer and the Monitor.

2. Select the Input Source mode by using either the Remote Control:
   - Pressing (repeatedly) the **SOURCE** button

   Or

   The buttons on the front of the Monitor by:
   - Pressing the **SELECT** button (repeatedly) to scroll through the various Input Source modes

   Or

   - From the Main Menu, choose the **SELECT INPUT**.

3. Select the **ANALOG(PC)** mode.

Analog(PC) → Digital → Composite → S-Video → Tuner(TV)
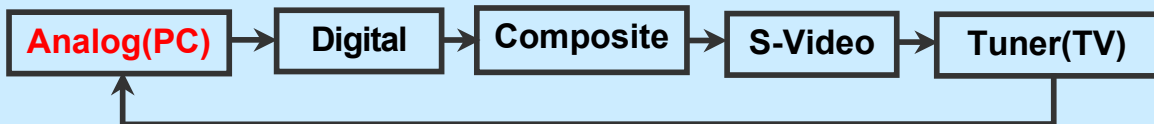
★ **Monitor Driver Installation Procedure**

1. **Turn on** the **monitor** and the **computer**.

2. **Insert** the KDS monitor **Driver CD** into the CD or DVD drive of your computer.

3. If the **Main Menu** screen dose not appear, click the **Start** button, click **RUN** and go to Step 4. Otherwise, go to Step 5.

4. Type **X:\ install.exe** (replace the letter "X" with the letter representing your CD or DVD drive), and click **OK**.
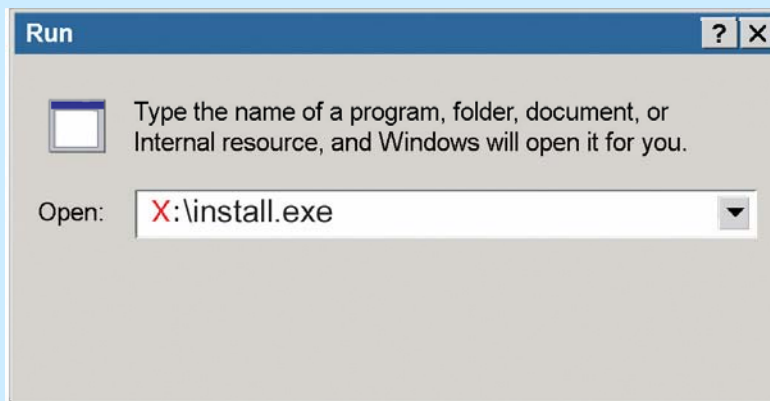
5. Click **Install Driver** and follow the instructions to complete the installation.

6. To Change the **Resolution** or **Refresh Rate**:

    - Right Click on your desktop to open the pop-up menu(for Windows 95/98/2000/XP).

    - With the left mouse button, click on **Properties** to open the **Display Properties** menu.

    - Click on the **Setting** tab and change to resolution desired.

    - Click **Apply** or **OK** button, then click **OK** to keep the selected resolution.

    - Go back to the **Display Properties** menu and click on the **Setting** tab. Select **Advanced Properties** and then click on **Adapter**.

    - In **Adapter Properties**, select **Refresh Rate** and change to the desired rate.

    Our monitors support a refresh rate up to 75Hz. For the best possible image quality, we recommend a refresh rate of 60Hz.

    If these options do not auto do not automatically pop up on your screen, try the procedure again after installing the monitor driver.

Adjust the Initial Image:
Vertical and Horizontal Alignment

7. If it is necessary to adjust the vertical position of the initial display:

    - Press the **MENU** button to display the main menu.

    - Press the ◀ ▶ buttons repeatedly to scroll to the **Position** icon.

    - Press the **SELECT** button to select this menu item.

    - Press the ◀ ▶ buttons (repeatedly) to scroll to the **Vertical Position** icon on the sub-menu.

    - In the **Vertical Position** sub-menu, use the ◀ ▶ buttons to move the image up or down until it is centered vertically on the screen.

    - Once you have vertically centered the image, press the **SELECT** button.

8. If it is necessary to adjust the horizontal position of the initial display:

    - Repeat the steps listed above instead selecting **Horizontal Position** from the sub-menu.

    - Remember to press the SELECT button when the display is centered horizontally.

Vertical Position:

MAIN MENU	
☼ BRIGHTNESS/CONTRAST	
RGB COLOR	
▣ **POSITION**	
⧰ SETUP	
▯ EXIT	
1280 X 1024	63.9kHz/59Hz

H-POSITION	◀ I I I I I I · · · · ▶	
V-POSITION	◀ I I I I I I · · · · ▶	50
CLOCK	◀ I I I I I I · · · · ▶	
PHASE	◀ I I I I I I · · · · ▶	
EXIT		

Horizontal Position:

H-POSITION	◀ I I I I I I · · · · ▶	50
V-POSITION	◀ I I I I I I · · · · ▶	
CLOCK	◀ I I I I I I · · · · ▶	
PHASE	◀ I I I I I I · · · · ▶	
EXIT		

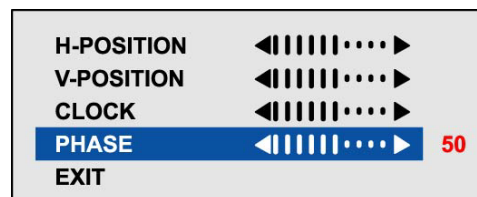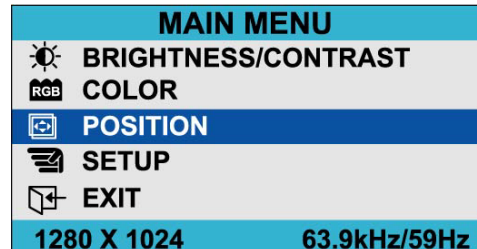## Adjust the Clarity of the Image:

Phase

9. If it is necessary to adjust the clarity of the image:

    - Press the **MENU** button to display the main menu.

    - Press the ◀ ▶ buttons repeatedly to scroll to the **Image** icon.

    - Press the **SELECT** button to select this menu item.

    - Press the ◀ ▶ buttons repeatedly to scroll to the **Phase** icon on the sub-menu.

    - In the **Phase** sub-menu, press the ◀ ▶ buttons to adjust the clarity of the image.

    - Once you have the clarity set to your liking, press the **SELECT** button.
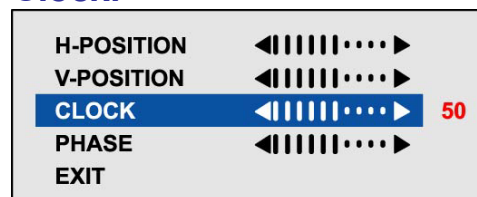
Clock

10. If it is necessary to tune a rough image:

    - Repeat the steps listed above instead chosing **Clock** on the sub-menu.

    - Remember to press the **SELECT** button when you have the image set to your liking.

Phase:

MAIN MENU	
☼ BRIGHTNESS/CONTRAST	
RGB COLOR	
▣ POSITION	
⊟ SETUP	
◁ EXIT	
1280 X 1024	63.9kHz/59Hz

H-POSITION	◀ |||||| ···· ▶	
V-POSITION	◀ |||||| ···· ▶	
CLOCK	◀ ||||||| ···· ▶	
PHASE	◀ |||||| ···· ▶	50
EXIT		

Clock:

H-POSITION	◀ |||||| ···· ▶	
V-POSITION	◀ |||||| ···· ▶	
CLOCK	◀ ||||||| ···· ▶	50
PHASE	◀ |||||| ···· ▶	
EXIT		

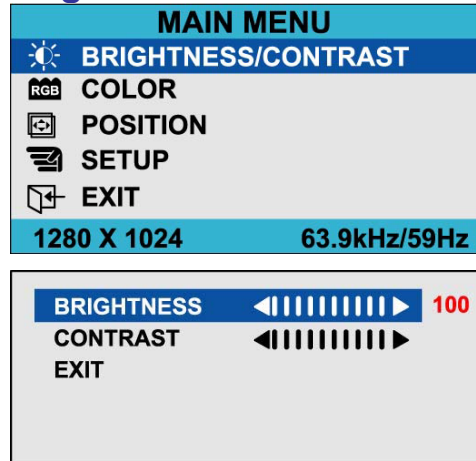## Adjust the Brightness and Contrast:

11. To change the overall image and brightness of the background screen:

- Press the **MENU** button to display the main menu.

- Press the ◀ ▶ buttons repeatedly to scroll to the **Brightness** icon.

- Press the **SELECT** button to choose this menu item.

- Press the ◀ ▶ buttons to adjust the brightness of the image.

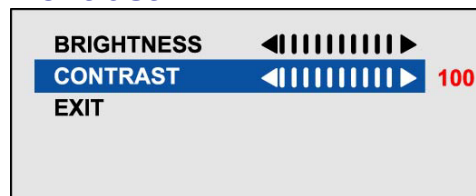- Once you have the brightness set to your liking, press the **SELECT** button.

12. To change image brightness in relation to the background:

- Press the **MENU** button to display the main menu.

- Press the ◀ ▶ buttons repeatedly to scroll to the **Contrast** icon.

- Press the **SELECT** button to choose this menu item.

- Press the ◀ ▶ buttons to adjust the contrast of the image.

- Once you have the contrast set to your liking, press the **SELECT** button.

Brightness

MAIN MENU	
☼ BRIGHTNESS/CONTRAST	
RGB COLOR	
POSITION	
SETUP	
EXIT	
1280 X 1024	63.9kHz/59Hz

BRIGHTNESS	◀IIIIIIIIII▶	100
CONTRAST	◀IIIIIIIIII▶	
EXIT		

Contrast

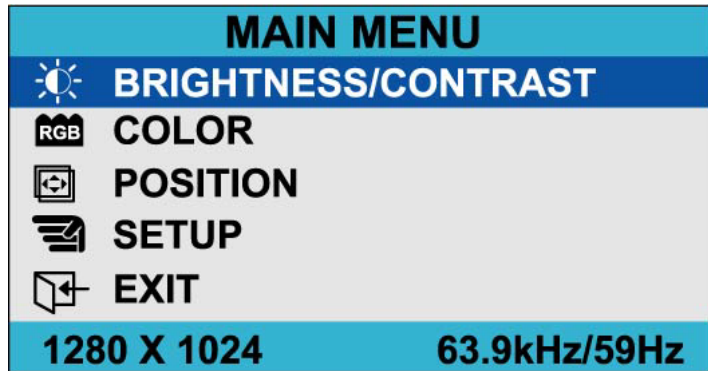| BRIGHTNESS | ◀IIIIIIIIII▶ | |
| CONTRAST | ◀IIIIIIIIII▶ | 100 |
| EXIT | | |

CONFIGURING AND ADJUSTING THE DISPLAY

Explanation of Remaining Menu Items : ANALOG(PC) Mode

The following table describes the other menus available.

Figure 9: The Main Menus:

MAIN MENU	
☼ BRIGHTNESS/CONTRAST	
RGB COLOR	
POSITION	
SETUP	
EXIT	
1280 X 1024	63.9kHz/59Hz

Color

- Fine-tunes the viewing of color images and background settings.

MAIN MENU	
☼ BRIGHTNESS/CONTRAST	
RGB COLOR	
POSITION	
SETUP	
EXIT	
1280 X 1024	63.9kHz/59Hz

Preset 1

- Sets the background as bluish-white.

PRESET 1	PRESET 2	
RED GAIN	◀IIIIII····▶	50
GREEN GAIN	◀IIIIII····▶	
BLUE GAIN	◀IIIIII····▶	
EXIT		

Preset 2

- Sets the background as plain white.

PRESET 1	PRESET 2	
RED GAIN	◀IIIIII····▶	50
GREEN GAIN	◀IIIIII····▶	
BLUE GAIN	◀IIIIII····▶	
EXIT		

User Color

- Controls the individual levels of red, green and blue.

PRESET 1	PRESET 2	
RED GAIN	◀IIIIII····▶	50
GREEN GAIN	◀IIIIII····▶	
BLUE GAIN	◀IIIIII····▶	
EXIT		

Setup
H Position

- Controls the horizontal position of the OSD.

V Position

- Controls the vertical position of the OSD.

Off Timer

- Controls the OSD display time during the absence of user control.

Input Source

- Change of input signal into PC(ANALOG), DIGITAL, COMPOSITE, S-VIDEO, TUNER(TV)

Language

- Controls the language used by the OSD menu promts. Available languages are English, Deutsch, Français, Español, Italiano.

V-Chip Setting

See page 40.

MAIN MENU

- ☼ BRIGHTNESS/CONTRAST
- RGB COLOR
- POSITION
- SETUP
- EXIT

1280 X 1024   63.9kHz/59Hz

OSD POSITION	▶	▣
OFF TIMER	▶	20 SEC
INPUT SOURCE	▶	ANALOG
LANGUAGE	▶	ENGLISH
V-CHIP	▶	
EXIT		

OSD POSITION	▶	▣
OFF TIMER	▶	20 SEC
INPUT SOURCE	▶	ANALOG
LANGUAGE	▶	ENGLISH
V-CHIP	▶	
EXIT		

OSD POSITION	▶	▣
OFF TIMER	▶	20 SEC
INPUT SOURCE	▶	ANALOG
LANGUAGE	▶	ENGLISH
V-CHIP	▶	
EXIT		

OSD POSITION	▶	▣
OFF TIMER	▶	20 SEC
INPUT SOURCE	▶	ANALOG
LANGUAGE	▶	ENGLISH
V-CHIP	▶	
EXIT		

OSD POSITION	▶	▣
OFF TIMER	▶	20 SEC
INPUT SOURCE	▶	ANALOG
LANGUAGE	▶	ENGLISH
V-CHIP	▶	
EXIT		

CONFIGURING AND ADJUSTING THE DISPLAY

Configuring and Adjusting the Display : Video(S-Video) Mode

Using the system's OSD menus, you can adjust and refine your monitor's image.

The following table describes the initial set-up steps and the other menus available.

Remember, when using the buttons on the front of your monitor:

- Press the AUTO button to activate the auto adjustment function.
- Press the MENU button to display the main menu.
- Use the ◄ ► buttons to scroll through the menu items **or** to increase/decrease the value/parameter.
- Press the SELECT button to choose the desired menu item **and** to store the new value/parameter.

★ **Select the Input Source Mode**

1. After all the connections are made, turn ON both the Computer and the Monitor.

2. Select the Input Source mode by using either the Remote Control:
   - Pressing (repeatedly) the **SOURCE** button
   Or
   The buttons on the front of the Monitor by:
   - Pressing the **SELECT** button (repeatedly) to scroll through the various Input Source modes
   Or
   - From the Main Menu, choose the **SELECT INPUT**.

3. Select the **S-VIDEO** mode.
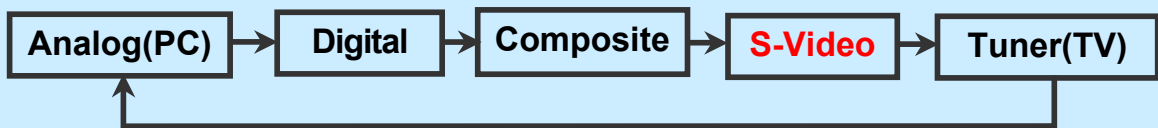
   Analog(PC) → Digital → Composite → **S-Video** → Tuner(TV)

★ **Adjust the Image Position & Clarity**

4. If necessary,
   - To adjust the BRIGHTNESS of the image, see page 29.
   - To adjust the CONTRAST of the image, see page 29.

Explanation of Remaining Menu Items : Video(S-Video) Mode

The following table describes the other menus available.

Figure 9: The Main Menus:

Color

- Fine-tunes the viewing of color images and background settings.

Color

- Control of color thickness signal level.

Tint

- Control of color tone signal level.

Sharpness

- Control of sharpness signal level.

Setup

H Position

- Controls the horizontal position of the OSD.

V Position

- Controls the vertical position of the OSD.

Off Timer

- Controls the OSD display time during the absence of user control.

Select Input

- Change of input signal into PC(ANALOG), DIGITAL, COMPOSITE, S-VIDEO, TUNER(TV)

Language

- Controls the language used by the OSD menu promts. Available languages are English, Deutsch, Français, Español, Italiano.

V-Chip Setting

See page 40.

MAIN MENU

- ☼ BRIGHTNESS/CONTRAST
- RGB COLOR
- POSITION
- SETUP
- EXIT

S-VIDEO

OSD POSITION	▶	▣
OFF TIMER	▶	20 SEC
INPUT SOURCE	▶	S-VIDEO
LANGUAGE	▶	ENGLISH
V-CHIP	▶	
EXIT		

OSD POSITION	▶	▣
OFF TIMER	▶	20 SEC
INPUT SOURCE	▶	S-VIDEO
LANGUAGE	▶	ENGLISH
V-CHIP	▶	
EXIT		

OSD POSITION	▶	▣
OFF TIMER	▶	20 SEC
INPUT SOURCE	▶	S-VIDEO
LANGUAGE	▶	ENGLISH
V-CHIP	▶	
EXIT		

OSD POSITION	▶	▣
OFF TIMER	▶	20 SEC
INPUT SOURCE	▶	S-VIDEO
LANGUAGE	▶	ENGLISH
V-CHIP	▶	
EXIT		

OSD POSITION	▶	▣
OFF TIMER	▶	20 SEC
INPUT SOURCE	▶	S-VIDEO
LANGUAGE	▶	ENGLISH
V-CHIP	▶	
EXIT		

Configuring and Adjusting the Display : TUNER(TV) Mode

Using the system's OSD menus, you can adjust and refine your monitor's image.

The following table describes the initial set-up steps and the other menus available.

Remember, when using the buttons on the front of your monitor:

- Press the AUTO button to activate the auto adjustment function.
- Press the MENU button to display the main menu.
- Use the ◀ ▶ buttons to scroll through the menu items **or** to increase/decrease the value/parameter.
- Press the SELECT button to choose the desired menu item **and** to store the new value/parameter.

★ Select the Input Source Mode

1. After all the connections are made, turn ON both the Computer and the Monitor.

2. Select the Input Source mode by using either the Remote Control:
   - Pressing (repeatedly) the **SOURCE** button

   Or

   The buttons on the front of the Monitor by:
   - Pressing the **SELECT** button (repeatedly) to scroll through the various Input Source modes

   Or

   - From the Main Menu, choose the **SELECT INPUT**.

3. Select the **TUNER(TV)** mode.
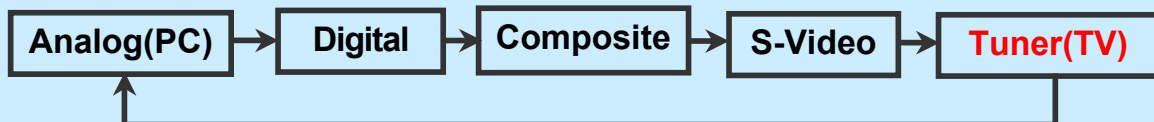
Analog(PC) → Digital → Composite → S-Video → Tuner(TV)

★ Adjust the Image Position & Clarity

4. If necessary,
   - To adjust the BRIGHTNESS of the image, see page 29.
   - To adjust the CONTRAST of the image, see page 29.

CONFIGURING AND ADJUSTING THE DISPLAY

★ **Select the Proper Antenna:**

AIR/CATV

5. At the initial display, select the antenna appropriate for your system by:
   - Pressing the MENU button to display the Main Menu.
   - Pressing the CHANNEL ▲▼ buttons (repeatedly) to scroll to the CHANNEL option.
   - Press the SELECT button to select the item.

6. At the CHANNEL sub-menu:
   - If the AIR/CATV item is not highlighted, use CHANNEL ▲▼ buttons to scroll to it.
   - Press the SELECT button to fully highlight the AIR/CATV item.
   - At the CHANNEL sub-menu, use the VOLUME ◄► buttons to scroll through the antenna options (Air or CATV).
   - Press the SELECT button to choose the appropriate option.

Automatically Search for Channels

7. While in this sub-menu, to automatically search/add channels from the cable system:
   - Use the CHANNEL ▲▼ buttons, to scroll to the AUTO CHANNEL item.
   - Press the SELECT button to fully highlight and view the options for this item.
   - The system will start automatically searching and adding channels.

8. If you do not want to automatically search /add channels: do not select this option.

MAIN MENU
- ☼ BRIGHTNESS/CONTRAST
- RGB COLOR
- TV CHANNEL
- SETUP
- EXIT
  TUNER

AIR/CATV	►	AIR
AUTOM. SETTING	►	STOP
MANUAL SETTING	►	5 ADD.
FINE ADJUSTM.	►	0
EXIT		

AIR/CATV	►	AIR
AUTOM. SETTING	►	STOP
MANUAL SETTING	►	5 ADD.
FINE ADJUSTM.	►	0
EXIT		

★ Other Sub-Menu Options:

Manually Add/Remove Channels:

9. While in this sub-menu:

- Use the CHANNEL ▲▼ buttons, to scroll to the MANUAL CHANNEL item.
- Press the SELECT button to fully highlight and view the options for this item.
- Use the CHANNEL ▲▼ ☀uttons, to choose the ADD or DELETE option as desired.

```
AIR/CATV          ▶  AIR
AUTOM. SETTING    ▶  STOP
MANUAL SETTING    ▶  5  ADD.
FINE ADJUSTM.     ▶  0
EXIT
```

Refining the Video Image:

10. While in this sub-menu:
- Use the CHANNEL ▲▼ buttons, to scroll to the FINE item.
- Press the SELECT button to fully highlight and view the options for this item.•Use the CHANNEL ▲▼ ☀uttons, to increment the adjustment to make the image as clear as possible.

```
AIR/CATV          ▶  AIR
AUTOM. SETTING    ▶  STOP
MANUAL SETTING    ▶  5  ADD.
FINE ADJUSTM.     ▶  0
EXIT
```

EXIT the Sub-Menu

11. Using the CHANNEL ▲▼ buttons, to scroll to the EXIT item.

12. Press the SELECT button.

- This action returns you to the Main Menu.

```
AIR/CATV          ▶  AIR
AUTOM. SETTING    ▶  STOP
MANUAL SETTING    ▶  5  ADD.
FINE ADJUSTM.     ▶  0
EXIT
```

CONFIGURING AND ADJUSTING THE DISPLAY

Explanation of Remaining Menu Items : TUNER(TV) Mode

The following table describes the other menus available.

Figure 9: The Main Menus:

Color

- Fine-tunes the viewing of color images and background settings.

Color

- Control of color thickness signal level.

Tint

- Control of color tone signal level.

Sharpness

- Control of sharpness signal level.

Setup
H Position

- Controls the horizontal position of the OSD.

V Position

- Controls the vertical position of the OSD.

Off Timer

- Controls the OSD display time during the absence of user control.

Input Source

- Change of input signal into PC(ANALOG), DIGITAL, COMPOSITE, S-VIDEO, TUNER(TV)

Language

- Controls the language used by the OSD menu promts. Available languages are English, Deutsch, Français, Español, Italiano.

V-Chip Setting

See page 40.

MAIN MENU

- BRIGHTNESS/CONTRAST
- COLOR
- CHANNEL
- **SETUP**
- EXIT

TUNER

OSD POSITION	▶	▣
OFF TIMER	▶	20 SEC
INPUT SOURCE	▶	TUNER
LANGUAGE	▶	ENGLISH
V-CHIP	▶	
EXIT		

OSD POSITION	▶	▣
OFF TIMER	▶	**20 SEC**
INPUT SOURCE	▶	TUNER
LANGUAGE	▶	ENGLISH
V-CHIP	▶	
EXIT		

OSD POSITION	▶	▣
OFF TIMER	▶	20 SEC
INPUT SOURCE	▶	**TUNER**
LANGUAGE	▶	ENGLISH
V-CHIP	▶	
EXIT		

OSD POSITION	▶	▣
OFF TIMER	▶	20 SEC
INPUT SOURCE	▶	TUNER
LANGUAGE	▶	**ENGLISH**
V-CHIP	▶	
EXIT		

OSD POSITION	▶	▣
OFF TIMER	▶	20 SEC
INPUT SOURCE	▶	TUNER
LANGUAGE	▶	ENGLISH
V-CHIP	▶	
EXIT		

CONFIGURING AND ADJUSTING THE DISPLAY

★ V- Chip Setting

The Telecommunications Act of 1996 in USA requires that every television made, starting in 1998, must be equipped with the technological device named V - Chip. The V - Chip can block certain rated television shows off television (if chosen) so children cannot watch programs that their parents do not approve. With this device, program-rating information will be transmitted along with the television signal, and be decoded by the chip in each television. The chip will then compare the rating codes to values preset by the viewer, which is meant to be the parents. If the rating codes are higher than the preset values, the television signal will be blocked, and a blank screen will be displayed.

KDS CT1503/1702 have this feature and you can adjust the V - Chip setting via OSD. Use arrow keys on the remote controller or control buttons on the front cabinet of the monitor to change the setting.

1. Select V - Chip on OSD, then enter 4 digits of pin number.
   - A.   Initial pin number is "**0000**"
   - B.   If you enter an incorrect pin number "Incorrect" message will be displayed for 3 seconds.
2. Use arrow keys to change or to activate the highlighted function.
3. Setting up TV Guidelines
   - C.   Use Up/Down/Left/Right arrow buttons to move around the matrix and press Menu button to change the value from "**U**" to "**B**" or "**B**" to "**U**"
   - **D.   U : Unblock   B : Block**

	All	FV	V	S	L	D
TV-Y	B					
TV-Y7	B	B				
TV-G	U					
TV-PG	U		U	U	U	U
TV-14	U		U	U	U	
TV-MA	U		U	U	U	

TV-Y : Young Children
TV-Y7 : Children 7 and over
TV-G : General Audience
TV-PG : Parent Guidance
TV-14 : Viewers 14 and over
TV-MA : Mature audience

FV : Fantasy Violence
V : Violence
S : Sexual Situation
L : Coarse Language
D : Suggestive Dialog

4. Setting up MPAA rating Mode
    E.   Use Up/Down/Left/Right arrow buttons to move around the matrix and press Menu button to change the value from "**U**" to "**B**" or "**B**" to "**U**"
    F.   MPAA : Motion Picture Association (of) America [movie rating organization]

G	U	General Guidance
PG	U	Parental Guidance Suggested
PG-13	U	Parental Strongly Cautioned
R	U	Restricted Under 17 Requires
NC-17	U	No Children Under 17 Admitted
X	U	Adult Only
NR	U	Not Rated

5. Entering a new pin number
    A.   Use numeric keys enter a new pin number. Pin number confirm menu appears.
    B.   Again, use numeric keys to enter the pin number you entered at the previous step. If the two pin numbers do not match, "**INCORRECT PIN**" message will be displayed for 3 seconds.
6. Blocking Screen
    A.   If the incoming signal's rating is higher than the one specified, the screen will be blanked and "**EXCESSIVE RATING**" message will be appeared.

NOTE : When the screen is blocked by V-Chip, and if you want to change V-Chip setting, press Exit button on the remote control or on the front cabinet of the monitor to bring up OSD Menu

TROUBLESHOOTING

How to Resolve Potential Problems

This section tries to anticipate potential problems that you may encounter in the day-to-day use of your monitor and aims to provide simple solutions to solve the problem before it becomes more severe.

If, after trying the suggested solutions, your monitor's continues to experience the same problems, contact your authorized service center or call technical support.

Troubleshooting scenarios

Problems		Corrective Actions
NO PICTURE	LED ON	Using the OSD menu adjust the brightness and contrast ratios to the maximums or reset to their default settings.
	LED OFF	Check the power switch and make sure the AC power cord is properly connected to the AC adapter.
	LED AMBER OR BLINKING	Make sure the video signal cable is properly connected at the back of monitor and check to make sure the power to your computer system is on.
DISPLAY IS NOT CLEAR		Adjust the frequency and phase settings using the OSD menu.
DISPLAY IS DARK		Adjust the brightness and contrast settings using the OSD menu.
IMAGE IS NOT CENTERED		Adjust the horizontal and vertical position settings using the OSD menu.
"OUT OF RANGE" MESSAGE POPS UP		Check to make sure the resolution and the frequency of the monitor are set within the range require by your computer's video port.

Problems	Corrective Actions
PICTURE IS SCRAMBLED	Check the signal cable connection between your computer and monitor.
PICTURE IS FUZZY	Perform auto-adjustment function.
PICTURE BOUNCES OR HAS WAVY OSCILLATIONS	Check the signal cable connection between your computer and monitor.
PICTURE APPEARS TO BE "GHOSTING"	Check the signal cable connection between your computer and monitor.
COLOR IS NOT UNIFORM	Adjust the color settings using the OSD color menu.
COLORS ARE DISTORTED WITH DARK OR SHADOWED AREAS	Adjust the color settings using the OSD color menu.
POWER INDICATOR IS BLINKING AMBER	The monitor is using its power management system. Check the power management utility on your computer.

APPENDIX

CT1702 Display Modes (Analog)

For the display modes listed below, the screen image has been optimized during production.

Preset Timing Modes (Analog)

Mode	Display Mode	Horizontal Frequency (KHz)	Vertical Frequency (Hz)	Standard Type
VGA	640 x 350	31.5KHz	70Hz	IBM®
	720 x 400	31.5KHz	70Hz	IBM®
	640 x 480	31.5KHz	60Hz	Industry Standard
	640 x 480	37.9KHz	72Hz	VESA Standard
	640 x 480	37.5KHz	75Hz	VESA Standard
SVGA	800 x 600	35.2KHz	56Hz	VESA Guidelines
	800 x 600	37.9KHz	60Hz	VESA Guidelines
	800 x 600	48.0KHz	72Hz	VESA Standard
	800 x 600	46.9KHz	75Hz	VESA Standard
XGA	1024 x 768	48.4KHz	60Hz	VESA Guidelines
	1024 x 768	56.5KHz	70Hz	VESA Standard
	1024 x 768	60.0KHz	75Hz	VESA Standard
SXGA	1280 x 1024	64.0KHz	60Hz	VESA Standard
	1280 x 1024	80.0KHz	75Hz	VESA Standard

IMPORTANT:
This Monitor is not supported outside of the display modes listed above.

CT1702 Specifications (Type:G0H)

LCD Viewable Size	**Type**	17" (43.18Cm) Viewable Diagonal TFT Type
	Pixel Pitch	0.264 mm (H) x 0.264 mm (V)
	Viewable Angle (CR ≥ 5)	Horizontal : ± 80˚ (Left/Right), TN Wide Angle Vertical : +50˚ / -70˚ (Up/Down)
	Glass Surface	Anti-Glare, Hard-Coating (3H)
Contrast Ratio		500:1 (Typical)
Response Time		20ms (6ms [Rising] + 14ms [Falling])
Display Mode		Normally White
Brightness		270 cd/ m^2 (Max)
INPUT	**VGA**	RGB Analog, H/V Separate (TTL), Digital Input : DVI-D Fh : 31 to 82 KHz Fv : 56 to 75 Hz
Input Resolution		From VGA up to 1280 x 1024 at 60Hz
I/O Connectors		VGA 15-pin D-sub, DC Power-in Stereo Audio-In/Out
Power		AC 110~240V, 50/60Hz Input (Built-in Adapter) 12V, 2.5A Max DC Output
User Controls		Brightness, Contrast, Color, Color Temperature, Auto-Adjustment, Clock, Phase, H/V Position, 5 OSD Languages
Displayable color		16.7 M (Full Color)
Displayable Area		337.92mm (H) x 270.336mm (V)
Temperature	**Operation**	0˚C ~ 40˚C (32˚F ~ 104˚F)
	Storage	-20˚C ~ 60˚C (-4˚F ~ 140˚F)
Dimensions	**Physical**	424.0mm (W) x 404.0mm (H) x 165.0mm (D)
Weight	**Net**	4.4Kg (9.70lbs)
	Gross	6.6Kg (14.55lbs)
Regulations		MIC, UL/cUL, CE, FCC-B, VCCI, CB, EPA Energy Star
Plug and Play		VESA DDC 2B
Power Management		VESA DPMS Compatible

"Note : Design and Specification are subject to change without notice.
Weight and Dimensions shown are approximate"

APPENDIX

CT1702 Specifications (Type : G0S)

LCD Viewable Size	**Type**	17" (43.18Cm) Viewable Diagonal TFT Type
	Pixel Pitch	0.264 mm (H) x 0.264 mm (V)
	Viewable Angle (CR ≥ 5)	Horizontal : ± 85˚ (Left/Right), TN Wide Angle Vertical : +70˚ / -65˚ (Up/Down)
	Glass Surface	Anti-Glare, Hard-Coating (3H)
Contrast Ratio		350:1 (Typical)
Response Time		25ms (5ms [Rising] + 20ms [Falling])
Display Mode		Normally White
Brightness		260 cd/ m^2 (Max)
INPUT	**VGA**	RGB Analog, H/V Separate (TTL), Digital Input : DVI-D Fh : 31 to 82 KHz Fv : 56 to 75 Hz
Input Resolution		From VGA up to 1280 x 1024 at 60Hz
I/O Connectors		VGA 15-pin D-sub, DC Power-in Stereo Audio-In/Out
Power		AC 110~240V, 50/60Hz Input (Built-in Adapter) 12V, 2.5A Max DC Output
User Controls		Brightness, Contrast, Color, Color Temperature, Auto-Adjustment, Clock, Phase, H/V Position, 5 OSD Languages
Displayable color		16.2 M (Full Color)
Displayable Area		337.92mm (H) x 270.336mm (V)
Temperature	**Operation**	0˚C ~ 40˚C (32˚F ~ 104˚F)
	Storage	-20˚C ~ 60˚C (-4˚F ~ 140˚F)
Dimensions	**Physical**	424.0mm (W) x 404.0mm (H) x 165.0mm (D)
Weight	**Net**	4.1Kg (9.04lbs)
	Gross	6.3Kg (13.89lbs)
Regulations		MIC, UL/cUL, CE, FCC-B, VCCI, CB, EPA Energy Star
Plug and Play		VESA DDC 2B
Power Management		VESA DPMS Compatible

" **Note :** Design and Specification are subject to change without notice. Weight and Dimensions shown are approximate"

CT1702 Specifications (Type : G1H)

LCD Viewable Size	**Type**	17" (43.18Cm) Viewable Diagonal TFT Type
	Pixel Pitch	0.264 mm (H) x 0.264 mm (V)
	Viewable Angle (CR ≥ 5)	Horizontal : ± 85° (Left/Right), TN Wide Angle Vertical : ± 75° (Up/Down)
	Glass Surface	Anti-Glare, Hard-Coating (3H)
Contrast Ratio		430:1 (Typical)
Response Time		20ms (5ms [Rising] + 15ms [Falling])
Display Mode		Normally White
Brightness		270 cd/ m^2 (Max)
INPUT	**VGA**	RGB Analog, H/V Separate (TTL), Digital Input : DVI-D Fh : 31 to 82 KHz Fv : 56 to 75 Hz
Input Resolution		From VGA up to 1280 x 1024 at 60Hz
I/O Connectors		VGA 15-pin D-sub, DC Power-in Stereo Audio-In/Out
Power		AC 110~240V, 50/60Hz Input (Built-in Adapter) 12V, 2.5A Max DC Output
User Controls		Brightness, Contrast, Color, Color Temperature, Auto-Adjustment, Clock, Phase, H/V Position, 5 OSD Languages
Displayable color		16.2 M (Full Color)
Displayable Area		337.92mm (H) x 270.336mm (V)
Temperature	**Operation**	0°C ~ 40°C (32°F ~ 104°F)
	Storage	-20°C ~ 60°C (-4°F ~ 140°F)
Dimensions	**Physical**	424.0mm (W) x 404.0mm (H) x 165.0mm (D)
Weight	**Net**	4.4Kg (9.70lbs)
	Gross	6.6Kg (14.55lbs)
Regulations		MIC, UL/cUL, CE, FCC-B, VCCI, CB, EPA Energy Star
Plug and Play		VESA DDC 2B
Power Management		VESA DPMS Compatible

"**Note :** Design and Specification are subject to change without notice.
Weight and Dimensions shown are approximate"

APPENDIX

Regulatory Compliance

Canadian Department of Communications Compliance Statement

DOC: This Class B digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations.
C-UL: Bears the C-UL Mark and is in compliance with Canadian Safety Regulations according to C.S.A. C22.2 No. 950.

U.S.A

U.S.FEDERAL COMMUNICATIONS COMMISSION RADIO FREQUENCY INTERFERENCE STATEMENT INFORMATION TO THE USER

NOTE : This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules.
These limits are designed to provide reasonable protection against harmful interference in a residential installation.
This equipment generates, uses, and can radiate radio frequency energy, and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.
However, there is no guarantee that interference will 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 encouraged 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 your dealer or an experienced radio/TV technician for help.

Change or modification not expressly approved by the part responsible for compliance could void the user's authority to operate the equipment.
Connecting of peripherals requires the use of grounded shielded signal cables.

Notice for Japan

This is a Class B product based on the standard of the Voluntary Control Council for Interference from Information Technology Equipment (VCCI). If this is used near a radio or television receiver in a domestic environment, it may cause radio interference. Install and use the equipment according to the instruction manual.

CE Conformity

The device complies with the requirements of the EEC directive 89/336/EEC as amended by 92/31/EEC and 93/68/EEC Art.5 with regard to "Electromagnetic compatibility," and 73/23/EEC as amended by 93/68/EEC Art.13 with regard to "Safety."