



IMPORTANT SAFEGUARDS

Warning:

Read all of these instructions.
Save these instructions for later use.

Unplug this monitor from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.

Do not use attachments not recommended by the monitor manufacturer as they may cause hazards.

Do not use this monitor near water. For example near a bathtub, washbowl, kitchen sink, or laundry tub, in a wet basement, or near a swimming pool, etc..

Do not place this monitor on an unstable cart, stand, or table. The monitor may fall, causing serious injury to a child or adult, and serious damage to the appliance. Use only with a cart or stand recommended by the manufacturer or sold with monitor. Wall or shelf mounting should follow the manufacturer's instructions, and should use a mounting kit approved by the manufacturer.

Slots and openings in the cabinet and the back or bottom are provided for ventilation, and to insure reliable operation of the television receiver and to protect it from overheating, these openings must not be blocked or covered. The openings should never be blocked by placing the monitor on a bed, sofa, rug, or other similar surface.

This monitor should never be placed near or over a radiator or heat register. This monitor should not be placed in built-in installation such as a bookcase unless proper ventilation is provided.

This monitor should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supplied in your home, consult your monitor dealer or local power company



18" TFT COLOR MONITOR

1. Installing the Monitor :

Unpacking from Kristel original packaging
Open the shipping cartons and check the contents.
If any items are missing or damaged, contact your
supplier immediately.

The package should include the following items:

TFT 18" LCD / power supply and video cable optional /

2. Control Functions

The monitor digital control functions are located on the key board. They are shown in the figure below and described in the following paragraphs.

Power Indicator LED(LED201)

Power Switch(SW201)

Function Keys(SW202-204)



3. Function Select

Press the SW203 to show the OSD menu. Then use the SW204 and SW205 to select a function.

With the SW204 and SW205, you can adjust the speakers volume (optional)

Press the SW202 to close the OSD menu.

You can hold the 2 knob for more than 2 second to adjust the image quality automatically.

The OSD menu will close automatically after 3-10 seconds without operation and saves any changes you have made.

4. Function Adjustment

4.1.Signal Select

- VGA - Select the image signal coming from the VGA cable.
- DVI - Select the image signal coming from the DVI cable.(option)
- Exit - Close the Signal Select OSD menu.

4.2.Video

- Brightness - Adjust the luminance level in the image.
- Contrast - Adjust the difference in luminance between light and dark areas of the image.
- Black Level - Adjust the black Level in the image.
- Exit - Close the Video OSD menu.

4.3.Audio

- Volume - Adjust the volume of speakers.
- Balance - Adjust the speaker's volume to right side or left side.
- Exit - Exit the Audio OSD menu.

4.4.Color

Color Temperature

- User - Adjust the R.G.B. gain level.
- 6500K - Select color temperature to 6500°K.
- 9300K - Select color temperature to 9300°K.
- Exit - Close the Color Temperature OSD menu.

- Flesh Tone - Adjust the flesh tone of the image.
- Hue - Adjust the shade of the image color.
- Saturation - Adjust the saturation of the image color.
- Exit - Close the Color OSD menu.

4.5.Image

- Auto Tune - Adjust geometry of the image automatically.
- H. Width - Adjust the horizontal sync size of signal.
- H. Phase - Adjust the horizontal sync phase of signal.
- H. Position - Adjust the horizontal position of the image.
- V. Position - Adjust the vertical position of the image.
- Exit - Close the Image OSD menu.

- 4.6.Language - Sets the language of the OSD windows.

4.7.Tools

OSD Control

- OSD Timer - Setting the OSD menu display time.
- OSD H. Position- Adjust the horizontal position of the OSD menu.
- OSD V. Position- Adjust the vertical position of the OSD menu.

4.8.Exit - Close the OSD menu.

5. Micro-controller Features

The micro-controller automatically detects the video board installed in your system. When you turn on the monitor, the micro-controller first checks the display mode memory stored in the user setting area of the video board, and then the factory presetting area. It then adjusts to the proper display mode.

6. Display Modes Memory

The micro-controller has the memory capacity to store different display modes, including timing formats and display-settings. This memory capacity is divided into two parts: the user setting area and the factory presetting area.

User Setting Area

The user setting area on the micro-controller maintains in its memory the last display modes set by the user. You can change the settings, or add a nonstandard mode. The micro-controller always detects and displays the last mode stored in the user setting area first when the monitor is turned on.

Factory Presetting Area

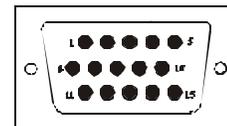
There are some preferred display modes preset in the micro-controller. These display modes are preset at the factory and include the most popular display modes currently available

	MODE	Resolution (Dots*lines)	Horizontal Freq.(KHz)	Vertical Freq.(Hz)	Remark
1.	VGA	640x350	31.5	70	Non-interlaced
2.	VGA	720x400	31.5	70	Non-interlaced
3.	VGA	640x480	31.5	60	Non-interlaced
4.	VESA/75	640x480	37.5	75	Non-interlaced
5.	VESA/60	800x600	37.9	60	Non-interlaced
6.	VESA/75	800x600	46.9	75	Non-interlaced
7.	VESA/60	1024x768	48.4	60	Non-interlaced
8.	VESA/70	1024x768	56.5	70	Non-interlaced
9.	VESA/75	1024x768	60.0	75	Non-interlaced
10.		1280X1024	63.9	60	Non-interlaced
11.		1280X1024	74.8	69	Non-interlaced
12.		1280X1024	79.9	75	Non-interlaced

15-pin Mini D-type Male Connector

Pin Assignment

1	Red Video	6	Red Ground
11	Ground	7	Green Ground
2	Green Video	12	Serial Data/I/O
3	Blue Video	8	Blue Ground
13	H. Sync	9	No Connection
4	Ground	14	V. Sync
5	No Connection	10	Sync Ground
15	Serial Clock Input		



NOTE: some model DVI input available upon request.

7.Signal Connector Pin-outs

To connect VGA, 8514A or IBM-compatible graphics adapters, use a 15 pin mini D-type male connector.