

VAMP-SlimVista User's Manual

Precautions

- Read all of these instructions and save them for later use.
- Follow all warnings and instructions on the product.
- Product
 - Do not cover or block the vent holes in the case.
 - Do not insert sharp objects or spill liquid into the LCD monitor through cabinet slots. They may cause accidental fire, electric shock or failure.
 - Disconnect the power plug from the AC outlet if you will not use it for an indefinite period of time.
 - Do not attempt to service this product yourself, as opening or removing covers may expose you to dangerous voltage points or other risks.
 - Do not touch the screen directly with your fingers. You may damage the screen, and oil from your skin is difficult to remove.
 - Do not apply pressure to the screen. The LCD is very delicate.
- Power
 - Use the type of power indicated on the marking label.
- Plugs
 - Do not remove any of the prongs of the monitor's three-pronged power plug.
 - Disconnect the power plug from the AC outlet under following conditions:
 - ◆ If you will not use it for an indefinite period time.
 - ◆ When the power cord or plug is damaged or frayed.
 - ◆ If the product does not operate normally when the operating instructions are followed. Adjust only those controls that are covered by the operating instructions. Improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to normal operation.
 - ◆ If the product has been dropped or the cabinet has been damaged.
 - ◆ If the product exhibits a distinct change in performance, indicating a need for service.
- Power and extension cords
 - Do not allow anything to rest on the power cord.
 - Do not locate this product where persons will walk on the cord.
 - Use the proper power cord with correct attachment plug type. If the power source is 120 VAC, use a power cord that has UL and C-UL approvals. If the power source is a 240 VAC supply, use the tandem (T blade) type attachment plug with ground conductor power cord that meets the respective European country's safety regulations, such as VDE for Germany.
 - Do not overload wall outlets or power cords. Ensure that the total of all units plugged into the wall outlet does not exceed to amperes.
 - Ensure that the total ampere ratings on all units plugged into the extension cord is not above the cord's rating.
 - If the power supply cord, which came with your monitor, is to be connected to the PC instead of the wall outlet, this equipment is to be used with UL/TÜV approved computers with receptacle 240 VAC, 2.0A (minimum).
- Environment
 - Place the monitor on a flat and leveled surface.

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- Place the monitor in a well-ventilated place.
- Keep the monitor away from: overly hot, cold or humid places, places directly under sunlight, dusty surroundings, equipment that generate strong magnetic fields.

Federal Communication Commission Radio Frequency International 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 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 / 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 complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Notice: The use of non-shielded interface with this equipment is prohibited.

If necessary, the user should consult the dealer or an experienced radio / TV technician for additional suggestions. The user may find the following booklet prepared by the Federal Communications Commission helpful. This booklet is available from the U.S. Government Printing Office Washington, DC 20402, Stock No. 004-000-00345-4.

The manufacturer is not responsible for any radio or TV interference caused by unauthorized modification of this equipment. It is the responsibility of the user to correct such interference.

Caution: To meet FCC limits for a Class B computing device, a shielded signal cable should be used.

Canadian Department of Communications Compliance Statement

This equipment does not exceed Class B limits per radio noise emissions for a digital apparatus, set out in the Radio Interference Regulation of the Canadian Department of Communications. Operation in a residential area may cause unacceptable interference to radio and TV reception requiring the owner or operator to take whatever steps necessary to correct the interference.

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Product Description

Congratulations on your purchase of this new generation of monitor. Your LCD monitor incorporates a high quality display into a small light weighted module. It has power-saving capabilities and emits no X-ray radiation. You will certainly benefit from this monitor in lots of ways; to name some of them, comfort, safety, health, and environmental protection.

This LCD monitor incorporates 15" color active matrix thin-film-transistor (TFT) liquid crystal display to provide superior display performance. A maximum resolution of XGA 1024x768 is ideal for displaying complex graphics and high definition images. Other outstanding designs that enhance this LCD monitor's performance are Plug & Play compatibility, audio system, and OSD (On Screen Display) controls.

Package Contents

Included with your LCD monitor are the following items:

- 15" TFT liquid crystal monitor
- D-sub 15 pin signal cable
- AC power cable
- User's manual
- Audio cable (optional)
- USB cable (optional)
- RS-232 cable for touchscreen function (optional)

Product Features

- High contrast color TFT LCD display support resolution up to XGA 1024x768. Compatible with IBM VGA, VESA, and Macintosh standards.
- Power management system conforms to VESA DPMS standard.
- Embedded universal power system.
- Support DDC1/2B for Plug & Play compatibility.
- Advanced OSD control for picture quality adjustment.
- Detachable stand for wall-mounting application.
- Optional USB (Universal Serial Bus) supporting with 2 downstream ports.
- Optional embedded audio system provides sound performance.
- Optional touchscreen function.
- Equipped with TCO selection.

Cleaning

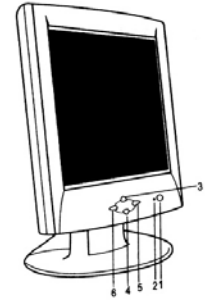
- Gently wipe the screen with a clean camel hair lens brush, or a soft, clean, lint-free cloth. This removes dust and other particles that can scratch the screen.
- Do not apply pressure to the screen surface when wiping it clean.
- Do not pour or spray any liquid directly onto the screen or case of the LCD monitor. Chemical cleaners have been reported to damage the screen or case of the LCD monitor.

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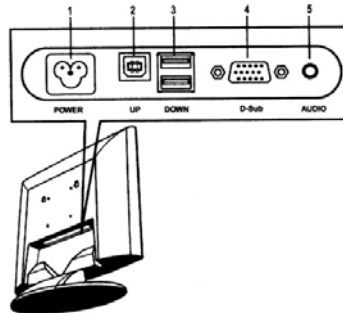
Taking a Look

Front View

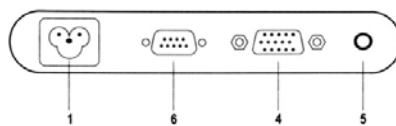
1. **Power Switch** Press this button to turn display system power **on** or **off**.
2. **Power LED** LED indicates different status when unit operates in different modes.
3. **Menu/Select ▲** Press this button to open the OSD menus on the screen, also use to select ("Up") within the OSD control options.
4. **Menu/Select ▼** Press this button to open the OSD menus on the screen, also use to select ("Down") within the OSD control options.
5. **+** Use to adjust the increasing value of the selected OSD control option.
6. **-** Use to adjust the decreasing value of the selected OSD control option.



Rear View (Standard Model):



Touchscreen Model:



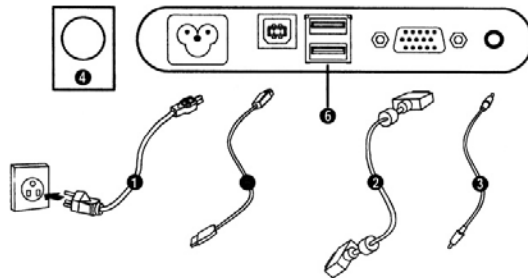
1. **Power Connector** This is for connecting the power cable.
2. **USB Up** This upstream port is to connect a USB hub. (optional)
3. **USB Down** Both of these downstream ports are to connect a USB device. (optional)
4. **Signal Connector** This can be connected with the D-sub 15 pin signal connector.
5. **Audio In** This can be connected to the audio-out connector of the computer. (optional)
6. **Touch** This is for connecting the touch panel RS-232 connector. (optional)

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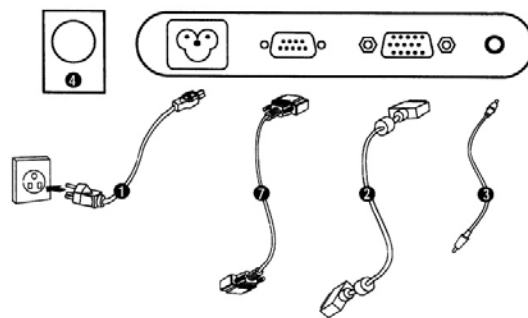
Setting Up

WARNING When you disconnect the cord/cables, be sure to hold the connector instead of the wire part.

Standard Model:



Touchscreen Model:



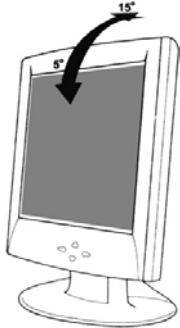
1. Connect one end of the power cord to the monitor and the other end to the AC outlet. (1)
2. Connect one end of the signal cable to the rear side of the computer and the other to the LCD monitor. Tighten by turning clockwise the two thumb screws to ensure proper grounding. (2)
3. Connect either end of the audio cable to the Audio In connector on the monitor and the other end to the Audio Out connector of your computer. (3) (optional module)
4. Pressing the power button on front panel turns the display system power on. (4)
5. If you have a USB device, connect one end of the USB cable to the USB Up port on the monitor and the other end to the USB port of your computer first (5), then connect the USB device to one of the USB Down ports. (6) (optional module)
6. USB Down (6) has two ports to support two USB devices. (optional module)
7. Connect either end of the RS-232 cable to the Touch connector on the monitor and the other to the RS-232 COM port of your computer. (7) (optional module)

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Display Angle

Tilting

For viewing clarity, you can tilt the LCD forward (up to 5 degrees) or backward to 15 degrees.



CAUTION In order to protect the LCD, hold the base when you adjust the LCD and **do not** touch the screen.

Controls and Adjustment

Adjusting with the OSD Control

- To display and Select the OSD Functions:

Press ▲, ▼, + or – once to open the OSD function main menu.

Press ▲ or ▼ a second time to select the different OSD control options.

- To Adjust the Value of the Control Option:

Press + / – button to change the value of the selected OSD control option. After adjusting values, the monitor will automatically save the changes.

NOTE The OSD screen will disappear if no input activities are detected for 10 seconds.

OSD Control Options

- **BRIGHTNESS**

Adjust the brightness using + and – buttons.

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- **CONTRAST**

Adjust the contrast using + and – buttons.

- **H-POSITION**

Press + to move the display image to the right; press – to move the display image to the left.

- **V-POSITION**

Press + to move the display image upward; press – to move the display image downward.

- **AUTO TUNE**

Press + and – buttons to make LCD monitor adjust the related parameters automatically for optimal display status.

- **LANGUAGE**

This item is used to select OSD language.

- **VOLUME**

Adjust the speaker volume using + and – buttons.

- **PIXEL CLOCK**

This item is used to decrease the vertical interference.

1. Select one display pattern from your computer.
2. Use + and – buttons on the LCD monitor to decrease the vertical interference to get the optimal display.

- **PHASE**

This item is used to decrease the horizontal interference.

1. Select one display pattern from your computer.
2. Use + and – buttons on the LCD monitor to decrease the horizontal interference to get the optimal display.

- **RED / GREEN / BLUE**

Adjust the value of color gain (Red, Green, Blue) using + and – buttons.

- **TEXT / GRAPHICS**

Select “Text” or “Graphics” display in special mode.

- **RECALL**

Press + and – buttons to recall factory preset values.

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Power LED Display & Power Saving

General Power Saving Mode

This monitor is equipped with a function for saving energy, which supports the VESA Display Power Management Signal (DPMS) standard. This means that the monitor must be connected to a computer, which supports VESA DPMS to fulfill the requirements in the NUTEK specification 80329994/96. Time settings are adjusted from the system unit by software. From indicated inactivity to Power Saving Position “Off” to the total time must not be set to more than 70 minutes.

Mode	Power LED Color	Power Consumption	Readable Screen Within
On	Green	37W	$\leq 3S$
Off	Orange	<5W	$\leq 3S$

Above values will be satisfied for “disconnect USB / Touch device” condition.

The LED also indicates the **Power Switch** control status (see following table).

Mode	Power LED Color	Audio Function	USB / Touch Function
On	Green	Action	Action
Off	Orange	No Action	No Action

*We recommend to switch off the monitor when it is not use for quite a long time.

Troubleshooting

The monitor does not respond after you turn on the system.

- Check if the **Power Switch** of monitor is turned **on**.
- Turn off the power and check the monitor’s power cord and signal cable for proper connection.

The characters on the screen are dim.

- Refer to the *Controls and Adjustments* section to adjust the brightness.

The screen is blank.

- During operation, the monitor screen may automatically turn off as a result of the Power Saving feature. Press any key to see if the screen comes back.
- Refer to the *Controls and Adjustments* section to adjust the brightness.

The screen flashes when it’s initialized.

- Turn off the monitor and turn it on again.

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Display Modes

Item	Resolution	Type	H. Scan (KHz)	V. Scan (Hz)	Pol.	Pixel (MHz)
1	640x350	VGA	31.469	70.087	+ / -	25.175
2	720x400	VGA	31.469	70.087	- / +	28.322
3	640x480	VGA	31.469	59.940	- / -	25.175
4	640x480	VESA 72	37.861	72.809	- / -	31.500
5	640x480	VESA 75	37.500	75.000	- / -	31.500
6	800x600	SVGA	35.156	56.250	+ / +	36.000
7	800x600	SVGA	37.879	60.317	+ / +	40.000
8	800x600	VESA 72	48.077	72.188	+ / +	50.000
9	800x600	VESA 75	46.875	75.000	+ / +	49.500
10	1024x768	VESA 60	48.363	60.004	- / -	65.000
11	1024x768	VESA 70	56.476	70.069	- / -	75.000
12	1024x768	VESA 75	60.023	75.029	+ / +	78.750

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Specifications

Model		L5PX
LCD Display		15.0" TFT Active Matrix Panel
Display Size		304 (H) x 228 (V) mm
Pixel Pitch		0.297 (H) x 0.297 (V) mm
Display Mode		VGA 640x350 (70 Hz)
		VGA 720x400 (70 Hz)
		VGA 640x480 (60/72/75 Hz)
		SVGA 800x600 (56/60/72/75 Hz)
		XGA 1024x768 (60/72/75 Hz)
Max. Resolution		XGA 1024x768
Contrast Ratio		250:1 (min.) / 350:1 (max.)
Brightness		200 Cd/m ² (min.) / 250 Cd/m ² (min.)
Response Time		30 ms (min.) / 50 ms (max.)
Display Color		16M
Viewing Angle		+70° to -70° (L/R), +60° to -60° (U/D) (min.)
Input signal	Video	R.G.B. Analog 0.7V _{peak-peak}
	Sync	TTL Positive or Negative
Signal Connector		15 Pin D-Sub
Front Control		Power Switch, Menu/Select (up, down), Adjust (+,-)
OSD		Brightness, Contrast, H-Position, V-Position, Auto Tune,
		Language, Volume, Pixel Clock, Phase, Red/Green/Blue,
		Text/Graphics, Recall
Plug & Play		DDC1 / 2B
Audio System (optional)		1W / per Channel

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Touch Panel (optional)		Resistive / Capacitive Type with RS-232 connector
USB (optional)		1 Upstream Port, 2 Downstream Ports
Power		Embedded AC Input, universal 100 – 240 Volts
Operating Conditions	Temperature	5° to 35°C (41° - 95°F)
	Humidity	20% to 80% (no condensation)
	Altitude	To 10,000 feet
Storage Conditions	Temperature	-20° to 60°C (-4° - 140°F)
	Humidity	10% to 90% (no condensation)
Dimensions (HxWxD)		16.08" x 15.35" x 7.67" (408.5 x 390 x 195 mm)
Weight (Net)		11.68 lbs. (5.3 Kg)
Certifications		C-UL, FCC-B, TUV/GS, CE, EPA, NUTEK, BSMI, VCCI, TCO (optional)

Specifications are subject to change without notice.

WARNING Do not disassemble the monitor. Contact your dealer if needed.