

EUT: Monitor

FCC ID:NPU15CX

ARIESTEC, INC.

USER'S MANUAL

FCC/MELLON

JAN 08 1999

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FCC/MELLON

FEDERAL COMMUNICATIONS COMMISSION

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. 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 the dealer or an experienced radio/TV technician for help.

Shielded interface cables must be used in order to comply with emission limits.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

I

ATTN: Please be advised that this computer is only certified for use by the Federal Communications Commission for the FCC ID: NPU15CX in the model 15CX without optional Speaker set and USB HUB. The user should disregard any information in the users manual about any other models, optional USB HUB and speaker set.

Important Safety Instruction

Please read the following instructions carefully. This manual should be retained for future use.

1. Unplug the monitor from its power source before cleaning it. Do not spray liquid cleaners directly onto the unit. Stand away from the monitor and spray the cleaning solution onto a rag. Then clean the monitor with the slightly dampened rag.
2. Do not place your monitor near a window. Exposing the monitor to rain, water, moisture or sunlight can severely damage it.
3. The openings located on the monitor's case are the needed ventilation slots. To protect the monitor from overheating, do not block these openings. For the same reason, this unit should not be placed near or over sources of heat. The unit should never be placed in a built-in installation unless adequate ventilation is provided.
4. This product is equipped with a three-prong grounding-style plug. It should only be inserted into a grounding-style power outlet. If you are unable to insert the plug into the outlet, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the grounding-type plug by bending the rounded grounding pin back and jamming it into a two-prong socket.
5. If you are using an extension cord with the monitor, make sure that the combined ampere ratings of all the products plugged into the extension cord do not exceed the extension cord's maximum ampere rating. Also make sure that the total of all the products plugged into the wall outlet do not exceed 15 amperes.
6. Do not lay anything on top of the power cord. Furthermore, make sure the power cord is placed in an area where it will not be stepped on.
7. Do not push any object into the monitor's cabinet openings. They may come in contact with the monitor's voltage points and short out parts which may cause a fire or give off electric shocks.

Do not remove the cover or attempt to service this unit by yourself. You may void your warranty. Servicing of any nature should be performed only by an authorized technician.

If any of the following occur, immediately unplug your monitor and call an authorized technician.

- The power cord or plug is frayed or damaged.
- Liquid has been spilled into the monitor, or it has been exposed to rain.
- The monitor has been dropped or the case has been damaged.

Power source:

- For 120V operation, use only a power cord which has a parallel blade grounding-type plug, rated 125V/6A min.
- For 240V operation, use only a power cord which has a tandem blade grounding-type, rated 250V/6A min.
- The ComfortView series uses a power cord with a female connector complying IEC320, rated 125V/6A min for North America, rated 250V/6A min. for the European area.

Power inlet is main disconnected device.

WARNING

Use only shielded cables to connect I/O devices to this equipment.

CAUTION:

- Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
- Use only RF shielded cable to connect this monitor to a computer device.

Wichtige Sicherheitshinweise

Bitte Lesen Sie sich diese Hinweise sorgfältig durch.

Heben Sie diese Anleitung für den späteren Gebrauch auf.

Vor jedem Reinigen ist das Gerät vom Stromnetz zu trennen. Verwenden Sie keine Flüssig- oder Aerosolreiniger. Am besten dient ein angefeuchtetes Tuch zur Reinigung.

Um eine Beschädigung des Gerätes zu vermeiden sollten Sie nur Zubehörfteile verwenden, die vom Hersteller zugelassen sind.

Das Gerät ist vor Feuchtigkeit zu schützen.

Bei der Aufstellung des Gerätes ist auf sicheren Stand zu achten, Ein Kippen oder Fallen könnte Verletzungen hervorrufen. Verwenden Sie nur sichere Standorte und beachten Sie die Aufstellhinweise des Herstellers.

Die Belüftungsöffnungen dienen zur Luftzirkulation die das Gerät vor Überhitzung schützt. Sorgen Sie dafür, daß diese Öffnungen nicht abgedeckt werden.

Beachten Sie beim Anschluß an das Stromnetz, die Anschlußwerte.

Die Netzanschlußsteckdose muß aus Gründen der elektrischen Sicherheit einen Schutzleiterkontakt haben.

Verlegen Sie die Netzanschlußleitung so, daß niemand darüber fallen kann, Es sollte auch nichts auf der Leitung abgestellt werden.

Alle Hinweise und Warnungen die sich am Geräten befinden sind zu beachten.

Wird das Gerät über einen längeren Zeitraum nicht benutzt, sollten Sie es vom Stromnetz trennen. Somit wird im Falle einer Überspannung eine Beschädigung vermieden.

Durch die Lüftungsöffnungen dürfen niemals Gegenstände oder Flüssigkeiten in das Gerät gelangen. Dies könnte einen Brand bzw. elektrischen Schlag auslösen.

Öffnen Sie niemals das Gerät. Das Gerät darf aus Gründen der elektrischen Sicherheit nur von autorisiertem Servicepersonal geöffnet werden.

15. Wenn folgende Situationen auftreten ist das Gerät vom Stromnetz zu trennen und von einer qualifizierten Servicestelle zu überprüfen:
 - a- Netzable oder Netzstecker sind beschädigt.
 - b- Flüssigkeit ist in das Gerät eingedrungen.
 - c- Das Gerät war Feuchtigkeit ausgesetzt.
 - d- Wenn das Gerät nicht der Bedienungsanleitung entsprechend funktioniert oder Sie mit Hilfe dieser Anleitung keine Verbesserung erzielen.
 - e- Das Gerät ist gefallen und/oder das Gehäuse ist beschädigt.
 - f- Wenn das Gerät deutliche Anzeichen eines Defektes aufweist.
16. Bei Reparaturen dürfen nur Originalersatzteile bzw. den Originalteilen entsprechende Teile verwendet werden. Der Einsatz von ungeeigneten Ersatzteilen kann eine weitere Beschädigung hervorrufen.
17. Wenden Sie sich mit allen Fragen die Service und Reparatur betreffen an Ihren Servicepartner. Somit stellen Sie die Betriebssicherheit des Gerätes sicher.
18. Der Arbeitsplatzbezogene Schalldruckpegel nach DIN 45 635 beträgt 70dB (A) oder weniger.
19. Die Steckdose muß nahe dem Gerät angebracht und leicht zugänglich sein.
20. Es wird aus ergonomischen Gründen empfohlen, die Grundfarbe blau nicht auf dunklem Untergrund zu verwenden (schlechte Lesbarkeit und erhöhte Augenbelastung bei zu geringem Zeichenkontrast wäre die Folge).
21. ZH1/618/10.80 for ergonomics.
22. Zum Netzanschluß dieses Gerätes ist eine geprüfte Leitung zu verwenden. Für einen Nennstrom bis 6 A und einem Gerätegewicht größer 3 Kg ist eine Leitung nicht leichter als H05VV-F mit einem Leitungsquerschnitt von 0.75mm² einzusetzen.

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1 INTRODUCTION

Congratulations on the purchase of your new 15"/17" ComfortView Monitor. Your new Monitor features the latest advances in personal computing technology. Its state of the art design combines ergonomics with high performance circuitry to provide a monitor with unequaled viewing quality and that is easy-to-use.

The ComfortView Monitor is Plug & Play compliant and when attached to a Plug and Play supported video adapter, the ComfortView monitor is automatically detected by your system. The monitor supports 9 primary and 7 secondary factory preset viewing modes and up to 16 user defined modes giving greater flexibility and control over viewing conditions. The unit also features OSD (On Screen Display) which allows you to adjust the screen parameters to your viewing comfort. Upon exiting the OSD, the display changes are automatically saved to memory. Other ergonomic features include a non-glare screen and tilt & swivel adjustments.

Optional features are also available to maximize productivity and expandability when using the ComfortView Monitor. The optional USB (Universal Serial Bus) Hub provides five USB connectors that can be attached to a vast array of USB supported peripherals such as keyboards, scanners, and printers. The optional 3 watt high fidelity stereo speakers deliver premium sound and are mounted on the side of monitor to conserve workspace.

The ComfortView Monitor complies with MPRII radiation emission, EPA power saving and VESA Display Power Management Signaling (DPMS) specifications. With the built-in power management features, the monitor can automatically reduce power consumption to less than 15 watts when the system is in the suspend mode. In the off mode, the monitor's power consumption drops to less than 3 watts.

Plug & Play

This monitor complies with the DDC1 and DDC2B (Display Data Channel) specifications. These standards, set by the VESA (Video Electronics Standards Association), specify how a monitor must communicate with the video adapter to transfer preset information such as resolutions and refresh rates. Once transferred, the information is then matched with the video adapter's supported resolutions and refresh rates. This matching allows the monitor to run at the highest refresh rate possible for the selected resolution.

Note! As described above, both the monitor and video adapter must adhere to the DDC scheme for Plug & Play to be supported.

The USB (Universal Serial Bus) Option

The optional USB (Universal Serial Bus) Hub attaches to the back of the ComfortView Monitor to provide a new level of expandability with the ease of Plug and Play. It features one upstream port, to be connected to a host, and four downstream ports that can be connected to a vast array of USB supported peripherals including keyboards, personal printers, scanners, and modems. Furthermore, each port can support numerous daisy chained devices.

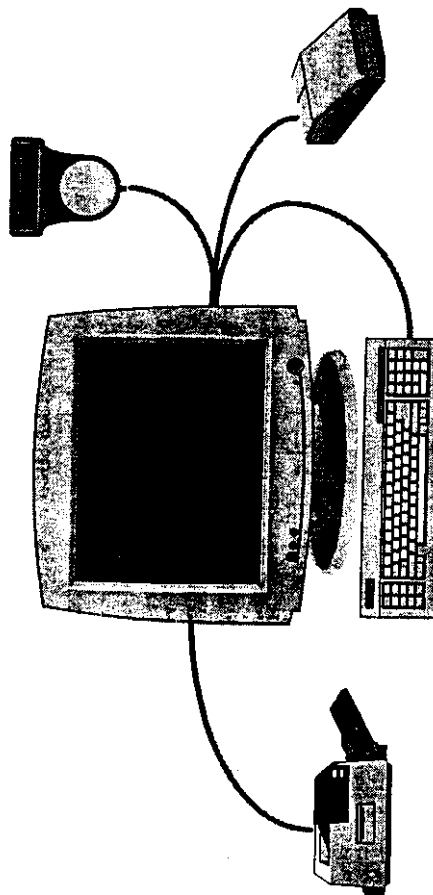


Figure 1: USB Expandability

Unpacking

Please make sure the following items are in the shipping package and found in good condition:

- 15"17" ComfortView Monitor
- Tilt and swivel stand
- Power cord
- Signal Cable(17c/cx/cv only)
- This manual

Depending on the options purchased you may or may not have the following:

- Two High Fidelity Speakers
- One speaker to sound card audio cable
- USB Hub
- One USB cable

If any of the above are missing or appear damaged, please contact your dealer immediately.

2 INSTALLATION

Connecting the Monitor and Stand

- Align the stand's four tabs with the slots on the bottom of the monitor.
- Insert the tabs into the slots.
- Slide the stand towards the front of the monitor and secure.

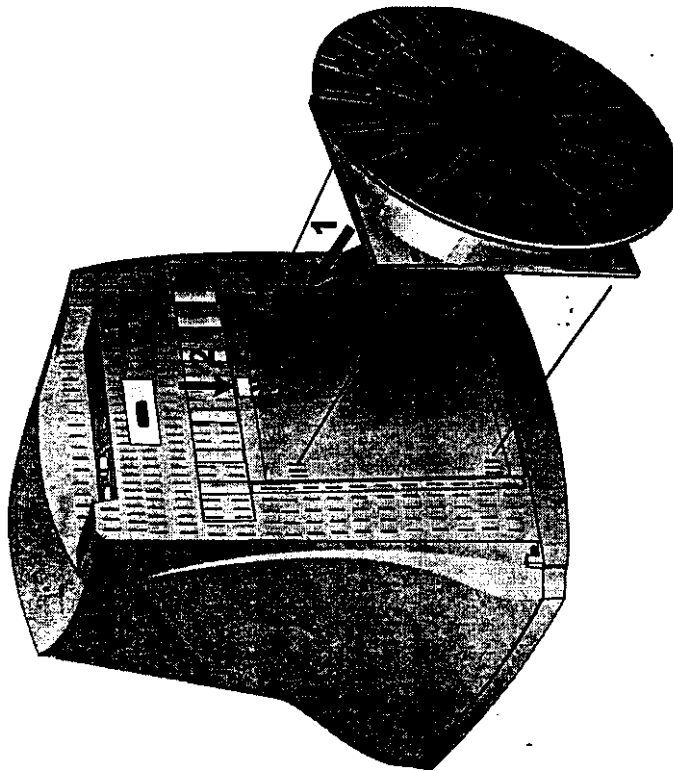


Figure 2: Monitor and Stand Connection

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Choosing A Workstation

When choosing an appropriate workspace, keep these few things in mind:

- A sturdy, level surface.
- An electrical wall outlet and a telephone wall jack near the computer.
- At least 3-inch clearance at the back of the computer to allow for the required airflow.
- Do not place near a window. Exposing the Monitor to direct sunlight for extended periods may damage the unit.
- You may want to use a desk lamp to adjust the ambient lighting for your viewing comfort.
- A viewing filter is recommended to reduce eye stress and fatigue.

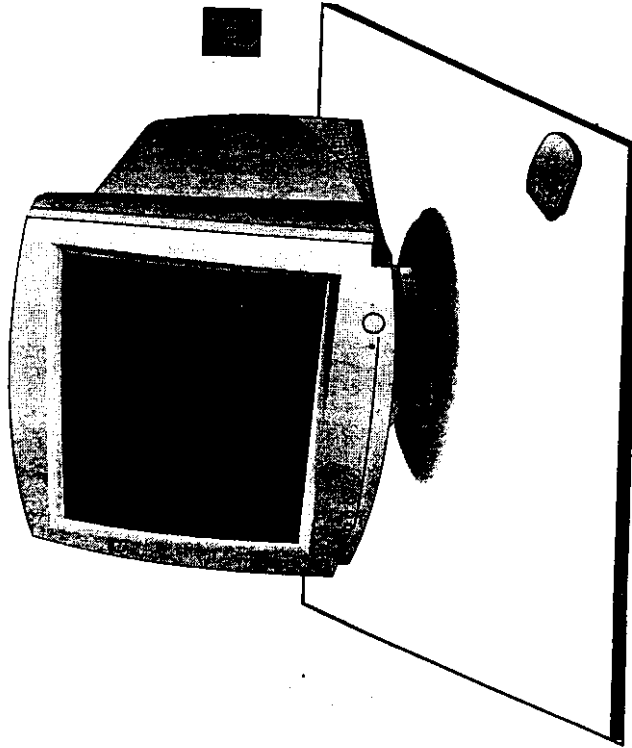


Figure 3: The Workstation

Installation

The Signal Cable Connection

- Locate the ON/OFF power switch. It located on the right of the Monitor's front panel.
- Make sure that the Monitor's power switch is in the OFF position. When in the OFF position, the switch should be in its outer most position.
- Locate the VGA port on the rear of the PC. The signal cable has a standard 15-pin mini D-sub (VGA) connector. If you are having trouble locating the VGA port, please refer to the documentation which came with your PC.
- Connect the Signal cable to the PC's VGA port.
- Connect the other end of the signal cable to your ComfortView Monitor(for 17c/cx/cv only) as shown in Figure 4.

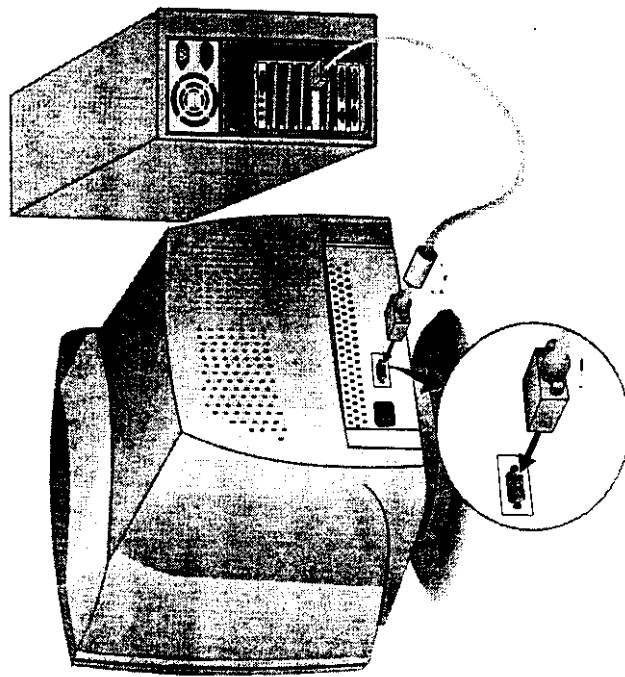


Figure 4: Connecting the Signal Cable(17c/cx/cv)

AC Connection

- Ensure that both the PC and Monitor are powered OFF. When in the OFF position, the Monitor power switch will be in its outer most position.
- Locate the AC port on the rear of the monitor.
- Plug the female end of the AC cord into the AC port.
- Plug the male end into the PC power supply.

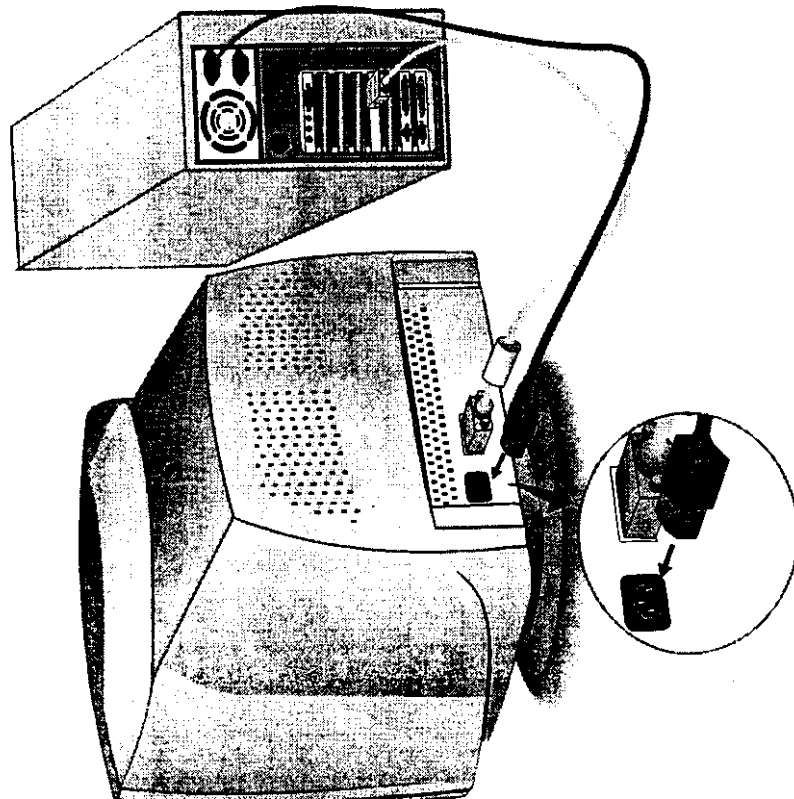


Figure 5: Connecting the Power Cord

Mounting Your Speakers (Optional)

- Align the two speaker tabs with the slots on the side of the monitor.
- Insert the tabs into the slots.
- Slide the speaker down to secure the tabs.
- Connect the speaker to speaker cable attached to the rear of the left speaker to the right speaker.
- Connect one end of the speaker to sound card audio cable to the left speaker's line-in connector. See Figure 15 if you are having trouble locating this connector. Connect the other end of the cable to the sound card's line-out/speaker-out connector.
- Connect the power cable's 1/8" connector to the left speaker's power connector. See Figure 15 if you are having trouble locating this connector. Then plug the other end of the power cable into a wall outlet or power strip.

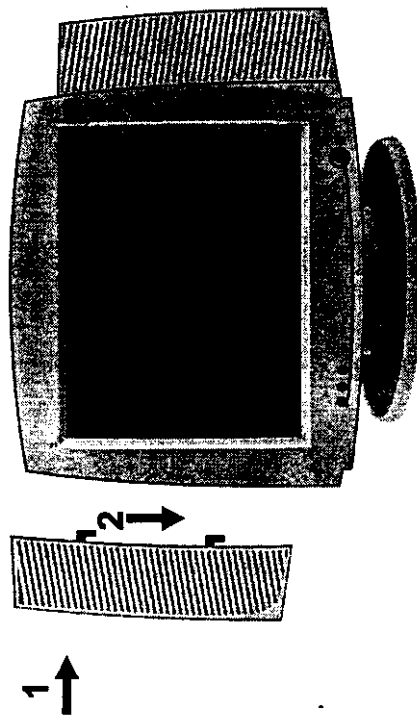


Figure 6: Installing the Speakers

Attaching the USB Hub (Optional)

The optional USB Hub offers a new level of expandability the with ease of Plug and Play. The USB hub features one upstream port and four downstream ports. The upstream port (B type connector) is a host dedicated port. This port must be connected to your USB supported PC or other host device. The four downstream ports (A type connectors) can be connected to any USB supported peripheral. Furthermore, the USB hub also supports "hot plug-in" of these peripherals allowing you to switch connected devices without shutting down your system or turning off the monitor. Once connected, the new devices are automatically detected and configured by the system. The monitor supports two types of USB hubs: a "hub function" USB hub and an USB hub with embedded function. The former hub relies on the upstream host for the power to drive the downstream peripherals. The latter not only have the hub function, but also be an USB device. The embedded function with hub has the added advantages of supporting a lot of downstream peripherals and allowing you to control the monitor display from your PC. This section describes how to connect the USB hubs and how to differentiate the upstream and downstream ports.

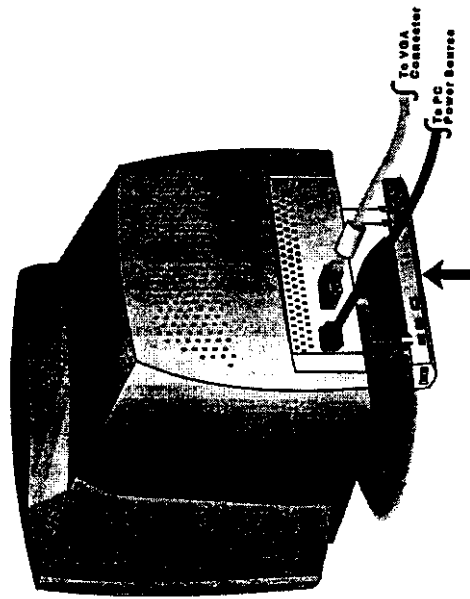


Figure 7: Connecting the "hub function only" USB Hub

To connect the USB hub, do the following:

- Align the four USB Hub tabs with the four slots locate in the rear on the bottom of the Monitor. See Figure 7.
- Insert the tabs into the slots and secure.

USB Hub with Embedded Function

Connecting the hub with embedded function is the same as described above with one exception: you must ensure that the monitor's female embedded hub connector mates smoothly with the hub's male connector while inserting the tabs into the slots. See Figure 8. If the hub does not attach easily, do not force it. You probably do not have the connectors aligned properly. Realign the connectors and tabs and try again.

Embedded Function
with Hub Connectors

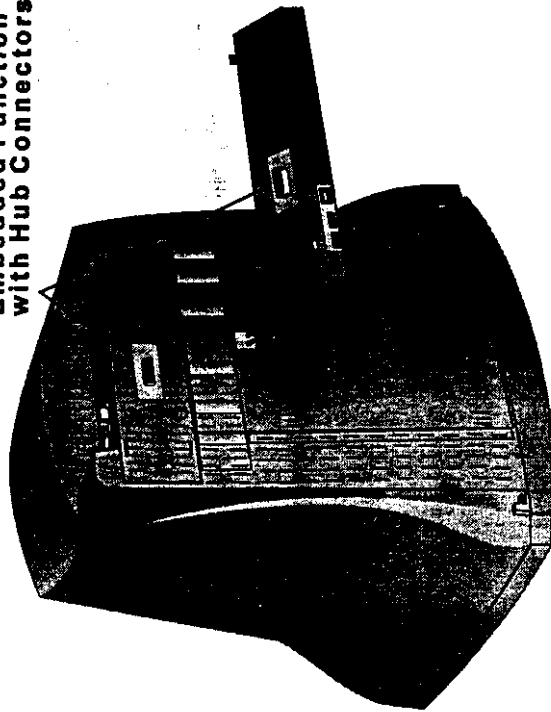


Figure 8: Connecting the USB Hub with Embedded Function

Hub Features

The USB hub features A and B type ports. The four type A downstream ports can be attached to any USB supported peripheral. The B type upstream port is a dedicated host port. In most cases, this port will be connected to your PC. The host provides the power and necessary support to drive the peripherals attached downstream. Additional features include an external power connector and power LED.

When you are using a high power USB device that hub itself can not support enough internal power, you need to add an external power. In most times, the connector 's cover is closed. Once you need to add the power adaptor to the USB hub, remove the cover from power connector and plug in the adaptor to the power connector. Figure 9 depicts the USB hub features.

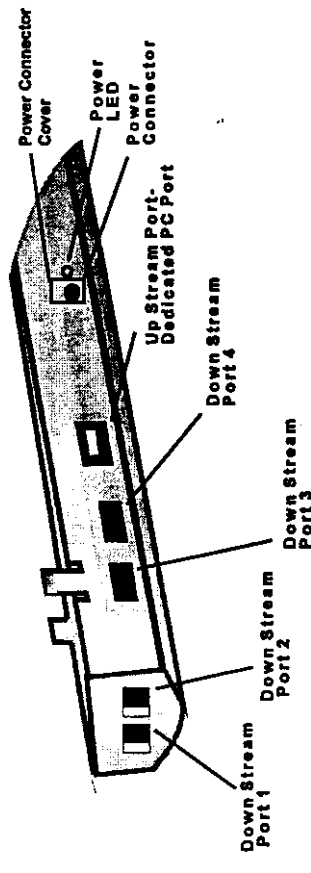


Figure 9: USB Upstream and Downstream Ports

3 OPERATION

Tilt & Swivel Adjustments

The monitor is capable of both tilt and swivel adjustments.

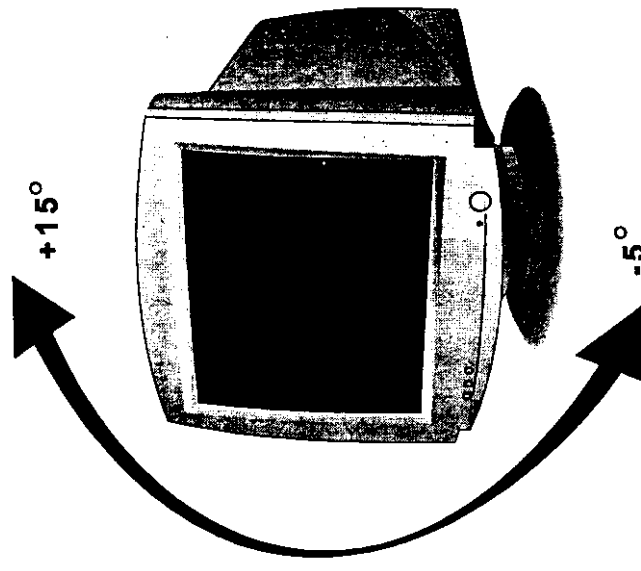


Figure 10: Tilt Adjustment

- With the tilt feature, the monitor is capable of vertical adjustments of $+15^{\circ}$ to -5° .
- The swivel feature allows for horizontal monitor adjustments of $+60^{\circ}$ to -60° .

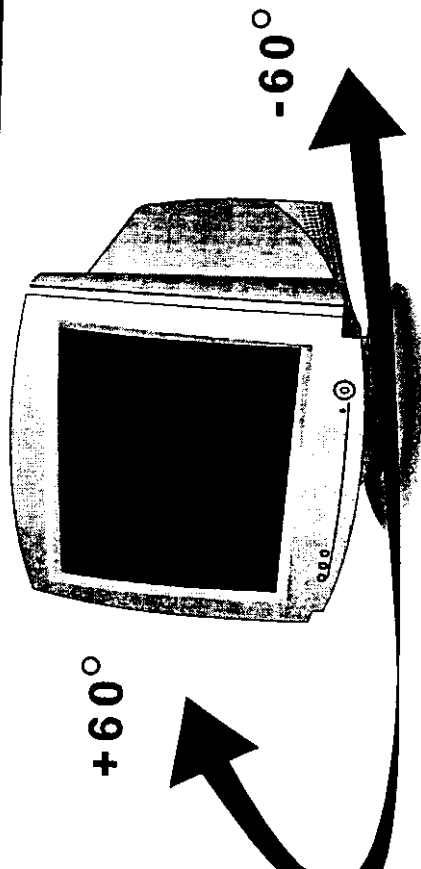


Figure 11: Swivel Adjustment

Power Controls

The power controls are located on the right side of the monitor's front panel.

Power Switch



When the power switch is in its outer most position, it is in the OFF position. Likewise, when the power switch is in its inner most position it is in the ON position.

Power LED



The power LED is located just to the left of the power switch. Three different colors are used to indicate the monitor's power saving status.

- Yellow indicates the Monitor is in the ON mode.
- Amber indicates the Monitor is in the Suspend mode.
- Dark indicates the Monitor is in the OFF mode.

On-Screen Display Controls

The monitor features an intuitive, two page, on-screen display, making adjustments to display settings simple. Using three OSD (on-screen display) control buttons the user can switch between the two pages of the on-screen-display and custom adjust the viewing environment. A description for each of the monitor's controls follows. *Figure 12* depicts the three function controls as seen on the front panel of the monitor.



Figure 12: OSD Controls

Function



The Function button allows you to display the OSD menus and select the display fields. After selecting a particular display field, it can be adjusted.

- Press the Function button one time to activate the OSD.
- Once the OSD is active, pressing the button again will cause the next field in descending order to be selected.
- Pressing the Function button when the V. Position field in menu 1 is selected will cause menu 2 to appear. Likewise, pressing the Function button when the Degauss field in menu 2 is selected will cause menu 1 to appear.
- Pressing the Function and Adjustment Increase buttons simultaneously will cause the next available menu to appear.

Note! Refer the Chapter 4 Icon Description for more detailed information concerning the display settings.

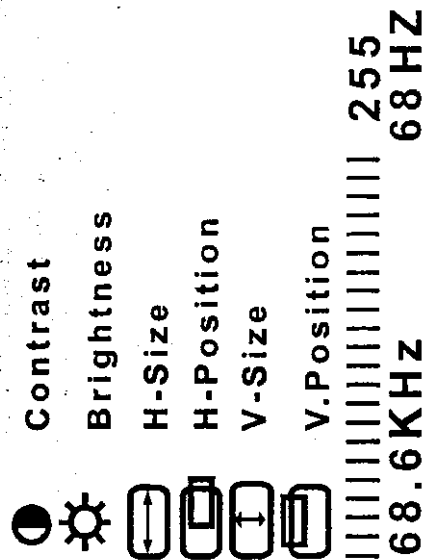
- Menu 1 - (Menu 2)

Figure 13: Page 1 of the On-Screen-Display

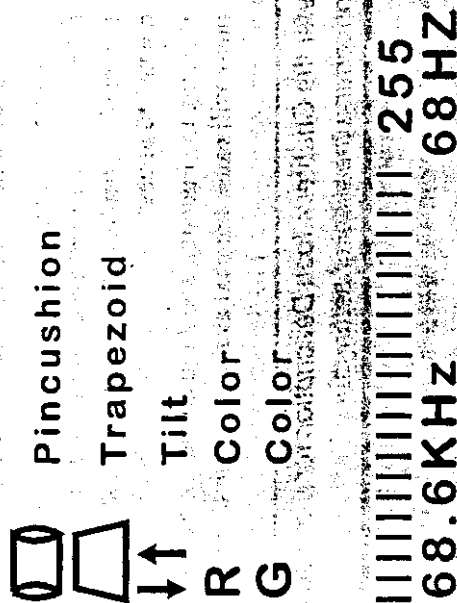
- Menu 2 - (Menu 1)

Figure 14: Page 2 of the On-Screen-Display

Adjustment

The Adjustment controls allow you to change the value of the selected display field.

- Adjustment Decrease lowers the value of the selected display field.
- Adjustment Increase increases the value of the selected display field.

Note! A scale appears below menus 1 and 2 of the on-screen-display. This scale allows you to see where, within the display range, the display fields are set.

Turning Off OSD

Once all your settings have been made, the OSD will automatically turn off after 10 seconds of inactivity. To manually turn off the OSD, simply press the Function and Adjustment Decrease buttons simultaneously.

Recalling Default Settings

To recall the factory default settings, simply press the Adjustment Increase and Decrease Buttons simultaneously.

Using the Sound System (Optional)

The high fidelity speakers are designed for a variety of multimedia and entertainment uses. The speakers feature quality output, conveniently located controls and a earphone jack for private listening. They offer the advantage of being mounted on the side your monitor freeing up valuable desktop space. This section describes how to use the speaker controls.

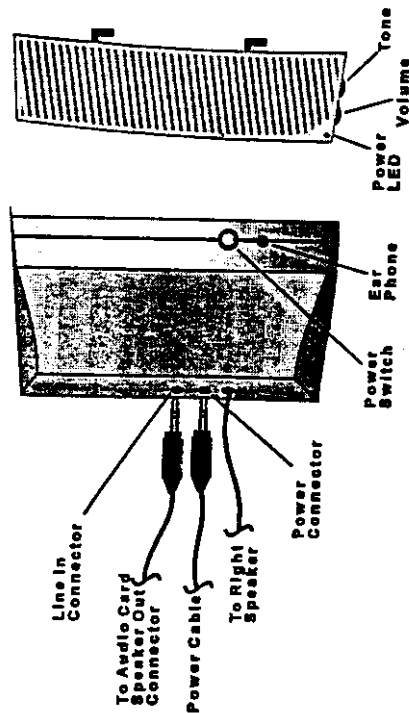


Figure 15: Speaker Controls and Connectors

To power ON the speakers, simply push this switch to its inner most position. Likewise when powered OFF, the switch will be in its outer most position.

This connector allows you to enjoy private listening by connecting ear phones to this connector.

When lit, this LED indicates that the speakers are powered ON.

This control allows you to adjust the volume output. To increase volume, simply roll this control to the right. To decrease volume, simply roll this control to the left.

This control allows you to adjust the tone output. To increase tone, simply roll this control to the right. To decrease tone, simply roll this control to the left.

4 ICON DESCRIPTIONS

Icon	Description
	Contrast: This field allows you to adjust the display contrast level to accommodate the ambient lighting conditions of your working environment.
	Brightness: This field allows you to fine tune the display brightness level.
	H-Size: This field allows you to stretch or squeeze the display area horizontally.
	H-Position: This field allows you to adjust the display to the right or to the left.
	V-Size: This field allows you to stretch or squeeze the display area vertically.
	V-Position: This field allows you to adjust the display up or down on the screen.
	Pincushion: This field allows you to alter the image geometry of the display area to prevent the image from curving either inwardly or outwardly.
	Trapezoid: This field allows you to stretch or squeeze the top or bottom of the display.

Icon

Description



Tilt: This field allows you to fine tune the tilt of the of the display.

R

Red Gain: This field allows you to control the red color intensity.

G

Green Gain: This field allows you to control the green color intensity.

5 TECHNICAL SPECIFICATIONS

Specifications

Model	15ex	17c	17ex	17cv
Screen	15" CRT	17" CRT	17" CRT	17" CRT
Dot Pitch (mm)	0.28	0.39 (stripe)	0.27 or 0.28	0.25 or 0.26
Surface	Non-glare	Non-glare	Non-glare	Non-glare
Display Size	13.8"	15.9"	15.9"	15.9"

Scanning Frequency				
Horizontal (KHz)	31-69	30-60	30-70	30-82
Vertical (Hz)	60-85	47-100	47-100	47-100

Max. Resolution	1280 x 1024	1024 x 768	1280 x 1024	1600 x 1200
Band Width	75MHz	70MHz	100MHz	120MHz
Compatibility	IBM, VGA, SVGA, 8514A, and VESA			
Plug & Play	DDC1 & DDC2B			
Display Colors	Unlimited	Unlimited	Unlimited	Unlimited
Signal Cable	Captive 15 pin, mini D-sub			

Power				
Consumption	95W	100W	105W	115W
Supply	100-250V AC 50/60Hz			
Power Management	Complies with EPA & VESA DPMS			

Model	15cx	17c	17cx	17cv
Screen Display	Yes	Yes	Yes	Yes
Audio Controls				
Volume	Yes	Yes	Yes	Yes
Tone	Yes	Yes	Yes	Yes
Contrast	Yes	Yes	Yes	Yes
Size	Yes	Yes	Yes	Yes
Center	Yes	Yes	Yes	Yes
Pushion	Yes	Yes	Yes	Yes
Prezoid	Yes	Yes	Yes	Yes
Dussing	Yes	Yes	Yes	Yes
Gain	Yes	Yes	Yes	Yes

Display Modes	7	5	7	9	16
t	7	5	7	9	16
t	16	16	16	16	16

Radiation	MPR II	MPR II	MPR II	MPR II
TCO92	X	X	Option	Option

HUB (Optional)	1	1	1	1	4
eam Ports	1	1	1	1	1
ustream Ports	4	4	4	4	4

Model	15cx	17c	17cx	17cv
Audio (Optional)				
Output	3W(x2) RMS	3W(x2) RMS	3W(x2) RMS	3W(x2) RMS
Controls	Volume, Tone	Volume, Tone	Volume, Tone	Volume, Tone
Response	30Hz~30KHz	30Hz~30KHz	30Hz~30KHz	30Hz~30KHz
Earphone Jack	Yes	Yes	Yes	Yes
Operating				
Temperature		5~45°C		
Relative Humidity		10~90% non-condensing		
Dimension				
390mm (L) x 370mm (W) x 373mm (H)		430mm (L) x 420mm (W) x 430mm (H)		
15.6" (L) x 14.8" (W) x 14.9" (H)		17.2" (L) x 16.8" (W) x 17.2" (H)		
Weight				
12.5Kg (27.5lbs)		18Kg (39.6lbs)		

reset Timing

Mode	F. Horizontal	F. Vertical
IBM VGA 640x400	31.5KHz	70.1Hz
VESA 640x480	31.5KHz	59.9Hz
VESA 800x600	48.0KHz	76.2Hz
VESA 800x600	53.5KHz	85Hz
VESA 1024x768	56.5KHz	70.1Hz
VESA 1024x768 15cx/17cx/cv only	68.7KHz	85.0Hz
VESA 1280x1024 15cx/17cx/cv only	64.0KHz	60.0Hz
VESA 1280x1024 17cv only	78.9KHz	75.0Hz
VESA 1600x1200 17cv only	81.3KHz	65.0Hz

Table 5-1

6 TROUBLE SHOOTING

This section will try to anticipate potential problems that you may encounter in the day-to-day use of your monitor. Included in this section is information which should help solve these problems for you. If after trying the suggested solutions, your monitor still does not function properly, please contact your authorized service center.

Power

Symptom: The monitor is switched On, but the power LED is not lit.

Solution: Switch the monitor Off. Then check to make sure that the power cord and signal cable are properly connected. If the monitor is plugged into a powered extension cord or a surge protector, make sure that extension cord or the surge protector is turned on.

Display

Symptom: The display image is either not centered, too small, or too large.

Solution: Adjust the size and position controls.

Symptom: The display image is either dangling or unstable.

Solution: Make sure that the signal cable's D-shaped connector is properly connected to the video adapter port on the back of the PC.

Symptom: The picture is bouncing or a wave pattern is present in the display.

Solution: Move any electrical devices away from the monitor which may cause display interference. Please refer to the FCC statement at the beginning of the manual for more details on display interference.

Symptom: Some sections of the display are discolored.

Solution: This may be due to electro-magnetic interference. Try to manually degauss the monitor. If this does not work, turn Off the monitor for 15 minutes. If the problem persists, call your authorized service center.

ARISTEC, INC.

3F, NO. 100, MIN-CHUAN RD., HSIN TIEN CITY, TAIPEI TAIWAN R.O.C.

TEL : 886-2-22180883

FAX : 886-2-22180673

FEDERAL COMMUNICATIONS COMMISSION

FCC ID:NPU15CX

Authorization and Evaluation Division

7435 Oakland Mills Road

Columbia, MD 21046

U.S.A.

Re: About the modification of MONITOR

Gentlemen:

I, hereby, declare that all modification on the E.U.T.,
FCC ID: NPU15CX, will be added or layout on the mass production
products. Modifications are shown as below:

1. A ferrite core is added on the data cable.
(As the photo No.6)
2. A ferrite core is added on the power line of CRT board.
(As the photo No.6)
3. A ferrite core is added on the grounding line of AC inlet.
(As the photo No.6)
4. A ferrite core is added on the grounding line from main board to CRT board.
(As the photo No.8)
5. A ferrite core is added on the grounding line of CRT.
(As the photo No.8)
6. Two Y capacitors are used to the A.C. power inlet.
(As the photo No.12)
7. The capacitor of C602 has changed the position.
(As the photo No.12)
8. A capacitor is added on the CN303 pin 2 of CRT board.
(As the photo No.12)
9. Two lines of grounding are added on the ground of C601 and C549.
(As the photo No.6)
10. A ferrite core is added on the VGA cable.
(As the photo No.2)
11. A core type LF-100 was add on the VGA cable.
(As the photo No.9)

Sincerely yours

Kent Tsai

Kent Tsai

Superrisor

EXHIBIT B

