NEC Value Series

MultiSync®XV15+™

User's Manual

NEC

Canadian Department of Communications Compliance Statement

DOC: This Class B digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations.

Cet appareil numérique de la classe B respecte toutes les exigences du Règlement sur le matériel brouiller du Canada.

C-UL: Bears the C-UL Mark and is in compliance with Canadian Safety Regulations according to C.S.A. 22.2 #950.

Ce produit porte la marque 'C-UL' et se conforme aux règlements de sûrele Canadiens selon CAN/CSA 22.2 No. 950.

FCC Information

1. Use the attached specified shielded cable with the JC-1571VMA-2 color monitor so as not to interfere with radio and television reception.
   (1) Shielded captive type signal cable.
       Use of other cables and adapters may cause interference with radio and television reception.

2. 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.

If necessary, the user should contact the dealer or an experienced radio/television technician for additional suggestions. The user may find the following booklet, prepared by the Federal Communications Commission, helpful: "How to Identify and Resolve Radio-TV Interference Problems." This booklet is available from the U.S. Government Printing Office, Washington, D.C., 20402, Stock No. 004-000-00345-4.

Contents

Packaging

Contents of Package

Congratulations on your purchase of a MultiSync® XV15+™ color monitor!

The following lists all of the items included with your MultiSync color monitor package:

1. MultiSync XV15+ color monitor (JC-1571VMA-2) with tilt/swivel base
2. Power cord
3. Captive signal cable
4. User's manual
5. Registration card: Please fill out and return this card as soon as possible.

Remember to save the original box and packing materials to transport or ship this monitor.

Quick Start

Is the monitor a MultiSync® XV15+™ monitor?

Yes →

Is the computer a Macintosh computer?

No →

Attach the monitor's signal cable to the display card or adapter on your computer.

Connect one end of the power cable to the MultiSync monitor and the other end to a power outlet.

Yes ↓

Call NEC at (800) 820-1230 to receive your MultiSync XV15+ Macintosh cable adapter

Turn on the monitor. Turn on the computer.

See the Troubleshooting section

Attach the Mac adapter to the monitor connector on the Macintosh. Tighten the screws.

If necessary, use the front panel controls to adjust the image to personal preference.

No ↑

Is the image correct?

Yes ↓

The installation of your MultiSync XV15+ monitor is finished. Enjoy your monitor!

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Quick Start

Connection To Your Personal Computer

The MultiSync® XV15+™ color monitor complements NEC computers, PC compatibles, Macintosh and Macintosh compatibles.

For the PC:

Your system has one of two configurations:
– the video controller is built into the computer
– the video controller is in the form of a display card (sometimes referred to as the graphics card, video adapter or graphics board)

Both configurations have a video connector (or a CRT PORT on laptop computers). If you are not sure which port is the video connector, please consult your computer or display card manual.

For the Mac:

With the MultiSync XV15+ Macintosh cable adapter, the MultiSync XV15+ color monitor is compatible with Macintosh computers, as well as Macintosh clones.

NOTE: Power Macintosh 6100/60 and 66 users need to use the Apple HDI-45 cable adapter and Powerbook users need to use the VID-14 cable adapter in conjunction with the appropriate MultiSync cable adapter when connecting a MultiSync monitor.

The MultiSync XV15+ Macintosh cable adapter allows you to change between 640 x 480, 832 x 624 and 1024 x 768 screen resolutions without restarting your system, if the video port supports these modes. You will connect your MultiSync XV15+ monitor one of two ways to your Macintosh computer:
– On-board video port
– NuBus, PDS or PCI display card

Both configurations should have the same style video connector. If you are not sure which port is the video connector, please consult your computer or display card manual.

To obtain the MultiSync XV15+ Macintosh cable adapter, call NEC at (800) 820-1230.

For more details on connecting the MultiSync XV15+ monitor to a Macintosh, call FastFacts™ information at (800) 366-0476 and request document #153006. For more information on FastFacts information, please see page 20.

To attach the MultiSync XV15+ monitor to your system, follow these instructions:

1. Turn off the power to your computer and MultiSync monitor.
2. If necessary, install the display card. For more information, refer to the display card manual.
3. **For the PC:** Connect the MultiSync XV15+ monitor's signal cable to the display card's connector on the computer. Tighten screws on all connectors.

   For the Mac: Connect the MultiSync XV15+ Macintosh cable adapter to the monitor's connector on your computer. Connect the MultiSync® XV15+ monitor's signal cable to the other end of the cable adapter. Tighten screws on all connectors.
4. Connect one end of the power cable to the MultiSync XV15+ monitor and the other end to the power outlet.
5. Turn on your MultiSync monitor and computer.

NOTE: If you have any problems, please refer to the Troubleshooting section of this manual.

Introduction

Congratulations on your purchase of NEC's MultiSync® XV15+™ color monitor, which includes Microsoft®'s Plug and Play compatibility, NEC's ErgoDesign® features, IPM™ (Intelligent Power Manager) System and Multiple Frequency Technology.

Screen Technology

The MultiSync XV15+ monitor also features NEC's exclusive *CromaClear*™ **CRT** (Cathode Ray Tube), the latest advancement in display technology. The *CromaClear*™ CRT, patented by NEC, delivers images with more clarity than found in traditional dot trio or aperture grille CRTs. Unlike the conventional shadow mask with phosphor dots, *CromaClear*™ CRT phosphors appear elliptical when illuminated resulting in screen images with higher definition, color saturation and more depth and dimension.

The *CromaClear*™ CRT has Dynamic Beam Focus which provides precise and continuous focus adjustments of the electron beams. Dynamic Beam Focus provides optimum image quality, even to the far edges of the screen. You will notice the significant difference the *CromaClear*™ CRT makes through enhanced image clarity, depth and definition for realistic text, graphics and video.

The **OptiClear® Screen Surface** of the MultiSync XV15+ CRT dramatically reduces the reflection and glare of ambient lighting resulting in greatly improved user comfort and productivity. This multilayered screen coating increases the contrast without sacrificing the focus level, clarity or brightness.

A **high contrast screen** with a 0.25 mm mask pitch sharpens image clarity and enhances detail. On-screen information is easier to read.

The **flat square CRT** technology reduces image distortion and glare.

Plug and Play

Plug and Play is the new Microsoft solution with the Windows® 95 operating system to provide automatic peripheral connections without confusing and time-consuming setup. When used with a Plug and Play compatible system and display card, the MultiSync XV15+ monitor automatically tells the system its identification and capabilities. The system will then select its highest resolution and refresh rate to take advantage of your MultiSync monitor.

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Introduction

ErgoDesign® Features

ErgoDesign features enhance human ergonomics (human and earth conditions) which will improve the working environment, protect the health of the user and save money. ErgoDesign features parallel the strict European standards of power management and reduced emissions and the requirements laid down in the TCO (Swedish Confederation of Professional Employees) Agreement on Environmental Labeling 1992.

Power Manager

IPM™ (Intelligent Power Manager) System is an innovative power-saving feature that complies with both the EPA's Energy Star requirements and Europe's TCO NUTEK power management requirements. Energy Star products use less than 30 watts when in the main power-saving mode. The NUTEK specification 803299 requires automatic power-down to less than 30 watts in the suspend mode and less than 8 watts in the off mode.

When in the maximum power-down mode, the MultiSync® XV15+™ monitor will consume approximately 10% of the total power drawn under normal operation, which follows the **Video Electronics Standard Association (VESA)** approved DPMS power-down signaling method. This innovation adds up to 90% energy savings, longer monitor life, environmental protection, reduced emissions and reduced air conditioning costs of the work environment.

Reduced Emissions

The MultiSync XV15+ monitor incorporates **Reduced Magnetic Field™ technology** designed to reduce magnetic and alternating electric field emissions and static electricity. NEC MultiSync monitors follow the strictest magnetic field, alternating electric field and electro-static recommendations of the Swedish Board for Technical Accreditation, or SWEDAC (previously known as MPR, National Board for Measurement and Testing) and TCO (excluding alternating electric fields) which specify maximum recommended values of electric and magnetic fields.

Multiple Frequency Technology

Multiple Frequency Technology automatically adjusts the monitor to the display card's scanning frequency, displaying the resolution you desire. The MultiSync® XV15+™ monitor also supports multiple operating platforms such as PC compatible, Macintosh family and workstation systems.

Increased refresh rates at all resolutions provide a flicker-free image which is easier on your eyes and extends your viewing time.

Depending on the system used, a wide range of graphics standards, including VESA standards, is supported by the MultiSync XV15+ color monitor for PC & Mac including:

> 640 x 480: 60 to 120 Hz vertical refresh
> 800 x 600: 55 to 103 Hz vertical refresh
> 832 x 624: 55 to 97 Hz vertical refresh
> 1024 x 768: 55 to 81 Hz vertical refresh
> 1280 x 1024: 55 to 60 Hz vertical refresh*
> * Maximum resolution based on horizontal and vertical frequencies only.

NOTE: Some systems may not support all modes listed.

Horizontal and vertical **FullScan™ capability** can increase the display size of a variety of video modes to the edges of the monitor bezel. The FullScan capability allows you to use the entire screen area in most resolutions, significantly expanding image size.

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Introduction

Controls

Control Panel

SELECT

Horizontal
position control

Vertical
position control

Horizontal
size control

RESET

Adjustment controls

Side pincushion control

Vertical
size control

Power
Switch/Degauss

Brightness control

Contrast control
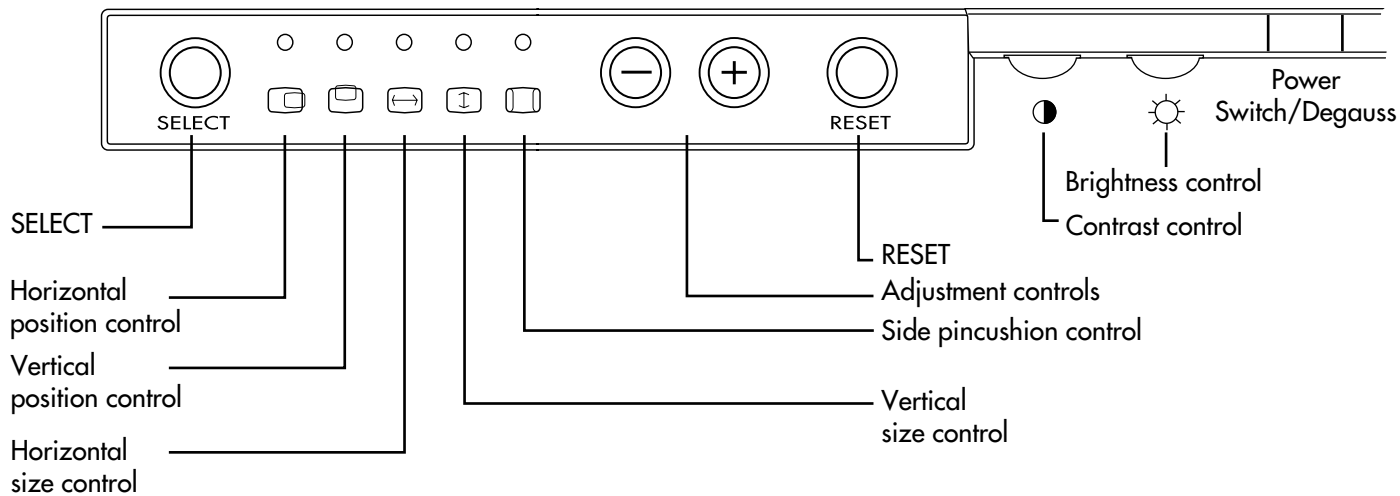
Monitor Adjustment Controls

SELECT
Proceeds to the next control selection. Moves the LED indicator light across the adjustment controls from left to right.

Horizontal position control (left to right)
Adjusts the horizontal position of the image from left to right.

Vertical position control (up and down)
Adjusts the vertical position of the image up and down.

Horizontal size control (increase and decrease)
Adjusts the horizontal size of the image from wider to narrower.

Vertical size control: (increase and decrease)
Adjusts the vertical size of the image from taller to shorter.

Side pincushion control
Adjusts the curvature of the edges of the left and right side of the display image either inward or outward. The image should be adjusted to attain a straight line on the left and right sides.

Control +/–
Increases or decreases the adjustment of the selected control function.

RESET
Resets image back to factory setting.

Contrast control
Adjusts the image brightness in relation to the background.

Brightness control
Adjusts the overall image and background screen brightness.

Power Switch/Degauss
Turns the power ON or OFF. When the power is ON, the LED power indicator above the Power Switch is lit. This switch also acts as a Degauss Switch. On power up the degauss circuitry eliminates stray magnetic fields that alter the correct scan of the electron beams and affect the purity of the screen colors, the focus and misconvergence.

Controls

Specifications

Monitor Specifications		MultiSync® XV15+™	Notes
Picture Tube	Diagonal: Viewable Image Size: Radius:	15.0 inch 13.8 inch 1080 mm	90° deflection, 0.25 mask pitch, medium-short persistence phosphor, CROMACLEAR™ CRT, anti-static screen coating, semi-tint screen and OptiClear® screen surface.
Input Signal	Video: Sync:	ANALOG 0.7 Vp-p/75 Ohms Positive Separate sync. TTL Level Horizontal sync. Positive/Negative Vertical sync. Positive/Negative Composite sync. (Positive/Negative) (TTL Level)	
Display Colors	Analog input:	Unlimited Number of Colors	Dependent upon display card used.
Synchronization Range	Horizontal: Vertical:	31 kHz to 65 kHz 55 Hz to 120 Hz	Automatically Automatically
Maximum Resolution		1280 x 1024 @ 60 Hz	Maximum resolution based on horizontal and vertical frequencies only.
Resolutions Supported		640 x 480 @ 60 to 120 Hz 800 x 600 @ 55 to 103 Hz 832 x 624 @ 55 to 97 Hz 1024 x 768 @ 55 to 81 Hz .... 1280 x 1024 @ 55 to 60 Hz	Some systems may not support all modes listed. NEC cites recommended resolution at 75 Hz for optimal display performance.

Monitor Specifications		MultiSync® XV15+™	Notes
Active Display Area (Factory Setting)		260 x 195 mm 10.2 x 7.7 inches	Dependent upon signal timing used, and does not include border area.
Active Display Area (Full Scan)		280 x 210 mm 11.0 x 8.3 inches	Dependent upon signal timing used, and does not include border area.
Power Supply		AC 100 – 120 V, 50/60 Hz	
Current Rating		1.8 Amps	
Dimensions		372 mm (W) x 389 mm (H) x 414 mm (D) 14.6 inches (W) x 15.3 inches (H) x 16.3 inches (D)	
Weight		15.6 kg 34.4 lbs	
Environmental Considerations	Operating Temperature: Humidity: Feet: Storage Temperature: Humidity: Feet:	0°C to 35°C / 32°F to 95°F 30% to 80% 0 to 10,000 Feet -20°C to +60°C / -4°F to +140°F 10% to 90% 0 to 45,000 Feet NOTE: Technical specifications are subject to change without notice.	

Specifications

Recommended Use

For optimum performance, please note the following when setting up and using the MultiSync® XV15+™ color monitor:

- If possible, position the monitor so that it is facing east to minimize the effects of the earth's magnetic field.

- Allow adequate ventilation around the monitor so that heat can properly dissipate. Do not put anything on top of the monitor.

- Do not place any heavy objects on the power cord. Damage to the cord may cause shock or fire.

- Changing the direction the monitor is facing while it is powered on may cause image discoloration. To correct this, turn the monitor off for 20 minutes before powering it back on.

- Keep the monitor away from high capacity transformers, electric motors and other devices such as external speakers or fans which may create strong magnetic fields.

- Use the monitor in a clean and dry area.

- Handle with care when transporting. Save packaging for transporting.

- The power cable connector is the primary means of detaching the system from the power supply. The monitor should be installed close to a power outlet which is easily accessible.

- Clean the monitor with a lint-free, non-abrasive cloth and a non-alochol, neutral, non-abrasive cleaning solution or glass cleaner.
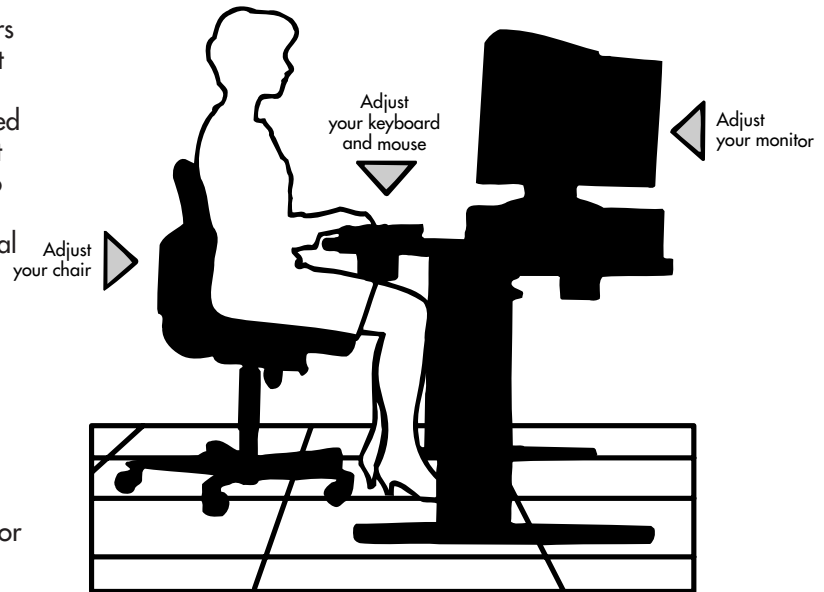
Setting Up a Healthy Work Environment

Making Your Computer Work For You

Computers are everywhere. More and more people sit at computers for longer periods of time. This section explains in detail how to set up your monitor to fit your physical needs along with a general explanation on setting up your workstation. For a complete, detailed explanation on setting up a healthy work environment, call NEC at (800) 820-1230, NEC FastFacts™ information at (800) 366-0476 and request document # 900108 or write the American National Standard for Human Factors Engineering of Visual Display Terminal Workstations. ANSI/HFS Standard No. 100-1988.

     The Human Factors Society, Inc.
     P.O. Box 1369
     Santa Monica, CA 90406.

Arrange Your Equipment

Arrange your equipment so that you can work in a natural and relaxed position. Place items that you use frequently within easy reach. Adjust your workstation setup to the proper height by lowering the table or stand that holds your computer equipment or raising the seat height of your chair. To create more desk space, you can put your computer base on the floor.

Adjust your keyboard and mouse

Adjust your monitor

Adjust your chair

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Setting Up a Healthy Work Environment

Adjust Your Monitor

Correct placement and adjustment of the monitor can reduce eye, shoulder and neck fatigue. Check the following when you position the monitor:

- Adjust the monitor height so that the top of the screen is at or slightly below eye level. Your eyes should look slightly downward when viewing the middle of the screen.
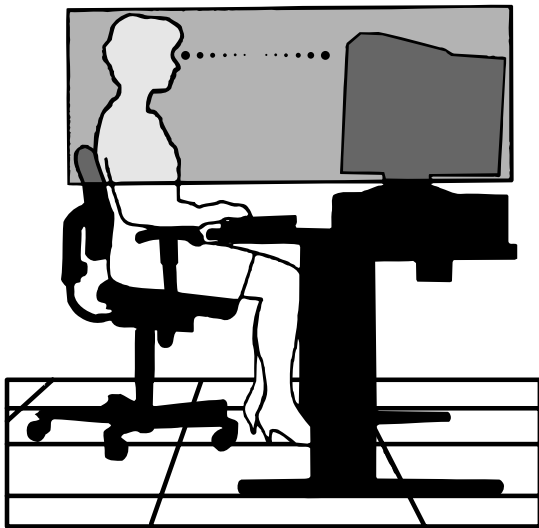
- Position your monitor no closer than 12 inches and no further away than 28 inches from your eyes. The optimal distance is 18 inches.

- Rest your eyes periodically by focusing on an object at least 20 feet away. Blink often.

- Position the monitor at a 90° angle to windows and other light sources to minimize glare and reflections. Adjust the monitor tilt so that ceiling lights do not reflect on your screen.

- If reflected light makes it hard for you to see your screen, use an anti-glare filter.

- Clean your monitor regularly. Use a lint-free, non-abrasive cloth and a non-alcohol, neutral, non-abrasive cleaning solution or glass cleaner to minimize dust.

- Adjust the monitor's brightness and contrast controls to enhance readability.

- Use a document holder placed close to the screen.

- Position whatever you are looking at most of the time (the screen or reference material) directly in front of you to minimize turning your head while you are typing.

- Get regular eye checkups.

Checking Your Comfort:
How Do You Measure Up?

Use this checklist to see if you are setting up your work environment to fit your physical needs.
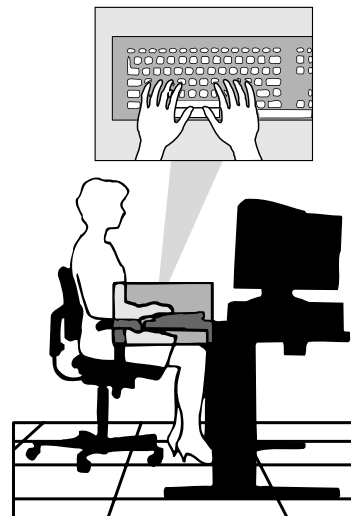
Checking Your Chair

- Do you sit in an upright position with the backrest supporting your lower back?

- When sitting, are your feet flat on the floor?
- Do you periodically adjust your chair and your posture?

Checking Your Keyboard

- Is your keyboard angled so your wrists are straight when you type?
- Is your keyboard directly in front of you?

- Do you avoid resting your wrists on sharp edges?
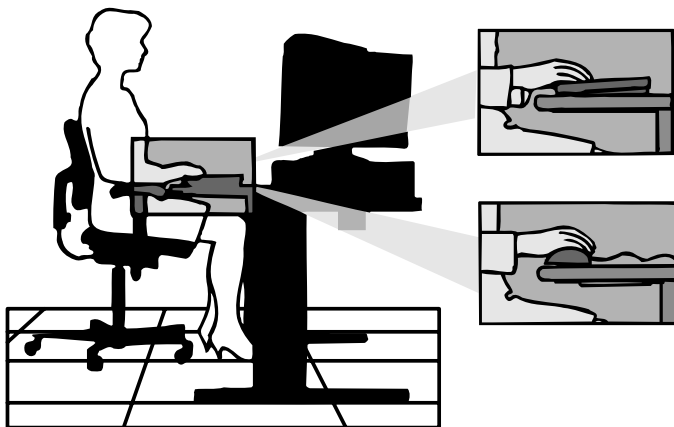- Do you press the keys gently and not bang on them?

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Environment

Setting Up a Healthy Work Environment

Checking Your Mouse

- Is your mouse at the same height as the keyboard and next to the keyboard?

- Are your wrists straight and your touch light when moving the mouse?

Checking Your Monitor

- Did you adjust your monitor so that the top of the screen is at or slightly below eye level?

- Do you periodically rest your eyes by blinking often or looking away from the screen?

- Is your monitor no closer than 12 inches and no further away than 28 inches from your eyes (18 inches is recommended)?

- Do you use a document holder placed close to the screen?

For a detailed explanation on your monitor setup, see page 14.

Checking You

- Is your work area set up to promote a natural and relaxing working position with frequently used work items within close reach?

- Do you take frequent short breaks?

- Do you stretch and walk during your breaks?

- Do you vary your tasks during the day?
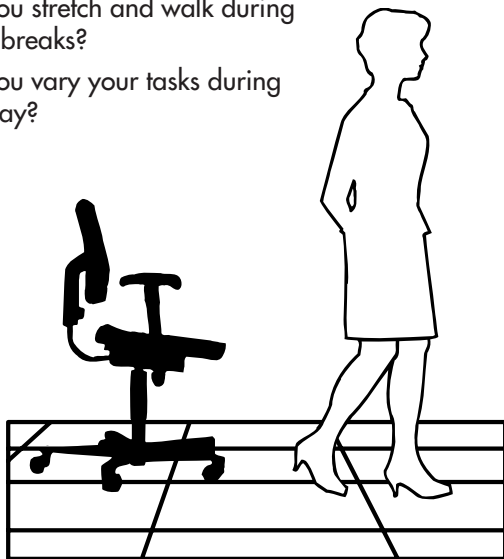
- Do you have regular eye checkups?

- Do you contact your doctor if you feel any sustained discomfort?

For more detailed information on workstation setup, call NEC at (800) 820-1230, NEC FastFacts™ information at (800) 366-0476 and request document #900108 or write the American National Standard for Human Factors Engineering of Visual Display Terminal Workstations. ANSI/HFS Standard No. 100-1988. The Human Factors Society, Inc., P.O. Box 1369, Santa Monica, California 90406

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Environment

Troubleshooting/Support

Troubleshooting Chart

Problem	Check These Items
No picture	• The display card should be completely seated in its slot. • **Power Switch/Degauss** and computer power switch should be in the **ON** position. • The signal cable should be completely connected to the display card/computer. • Check the connector for bent or pushed-in pins.
Image is scrolling or unstable	• Signal cable should be completely attached to the computer. • Check the pin assignments and signal timings of the monitor and your display card with respect to recommended timings and pin assignments. • If the Mac adapter is used, check for proper connection or make sure the display card is Mac compatible and that the card is properly seated in the computer.
LED on the monitor is not lit (no green, orange or yellow color can be seen)	• **Power Switch/Degauss** should be in the **ON** position and the power cord should be connected. • Make certain the computer is not in a Power-Saver mode (touch the keyboard or mouse).
Picture is fuzzy	• Adjust the **Brightness** and **Contrast Controls**. • Turn the **Power Switch/Degauss** OFF, then ON again. **CAUTION:** A minimum interval of 20 minutes should elapse before this procedure is used a second time.

Troubleshooting Chart

Problem	Check These Items
Picture bounces or a waving pattern is present in the picture	• Move electrical devices that may be causing electrical interference away from the monitor. • See inside cover of this manual for FCC information.
Displ;ay image is not centered, too small or too large	• Use the **Vertical** and **Horizontal Size** and **Position Controls** to adjust the image.
Color looks blotchy	• Turn the **Power Switch/Degauss** OFF, then ON again. See CAUTION above.
Left and right edges of the display image are curved either inward or outward	• Adjust the **Side Pincushion Control.** • If possible, position the monitor to face east.

Troubleshooting/Support

FastFacts™ Information

FastFacts information system is an easy-to-use, automated facsimile service that provides you with information whenever you need it, 24 hours a day, seven days a week. You can call the FastFacts information system with your touchtone telephone, order a catalog listing the available documents or order the document you need. Within minutes, your requested information will be sent to your fax machine. The information includes:

- product brochures
- installation procedures
- quick reference guides
- troubleshooting information
- compatibility charts

To contact FastFacts information, dial (800) 366-0476.

Technical Support

If the problem persists, call your authorized NEC dealer or service center or NEC Technologies, Inc. MultiSync® monitor technical support at (800) 632-4662. Before you call, please follow these instructions to allow for faster service:

- Call from a location at or near your monitor.
- Know the name and model number of your monitor:
  MultiSync XV15+   JC-1571VMA-2
- Know the name and model number of the computer you are using and have its manual nearby.
- Know the name of the dispaly card you are using and have its manual nearby.

If it is more convenient to fax a question to NEC's technical support, the fax number is (508) 635-4666.

The BBS

The NEC Remote Bulletin Board System (BBS) is a great way to keep in touch with NEC. It is an electronic service accessible with your system and a modem. You can tell us things about yourself, your experience with the product and leave messages requesting on-line help. Also, the BBS keeps you up-to-date on the latest NEC products and lets you download new product information when it's available.

To contact the BBS using any computer with a modem, dial (508) 635-4706.

Communications parameters are:
300/1200/2400/9600/14.4k/28.8k bps, no parity, 8-data bits, 1 stop bit

Electronic Channels

Additional information and technical support can be obtained by accessing the following electronic channels:

Internet E-mail	tech-support@nectech.com
Internet ftp site	ftp.nectech.com
CompuServe	go NECTECH
America Online	keyword NECTECH
World Wide Web	http://www.nec.com

Warranty

Limited Warranty

NEC Technologies, Inc. (hereinafter NECTECH) warrants this Product to be free from defects in material and workmanship and agrees to repair or replace any part of the enclosed unit which proves defective under these terms and conditions.

How Long is the Warranty

Parts and labor are warranted for three (3) years from the date of the first consumer purchase. Spare parts are warranted for ninety (90) days.

Who is Protected

This warranty may be enforced only by the first consumer purchaser and is not transferable.

What is Covered and What is Not Covered

Except as specified below, this warranty covers all defects in material or workmanship in this Product. The following are not covered by this warranty:

1. Any Product which is not distributed in the U.S.A. or Canada by NECTECH or which is not purchased in the U.S.A. or Canada by the first consumer purchaser.
2. Any Product on which the serial number has been defaced, modified or removed.
3. Damage, deterioration or malfunction resulting from, but not limited to:
   a. Accident, misuse, abuse, neglect, fire, water, lightning or other acts of nature, improper storage, unauthorized Product modification or failure to follow instructions supplied with the Product.
   b. Alteration, repair or attempted repair by anyone not authorized by NECTECH.
   c. Any shipment of the Product (claims must be presented to the carrier).
   d. Removal or installation of the Product.
   e. Any other cause which does not relate to a Product defect.
4. Cartons, carrying cases, batteries, external cabinets, magnetic tapes or any accessories used in connection with the product.
5. This warranty covers only NECTECH-supplied components. Service required as a result of third party components is not covered under this warranty.

What NECTECH Will Pay For and What We Will Not Pay For

NECTECH will pay labor and material expenses for covered items, but we will not pay for the following:
1. Removal or installation charges.

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2. Costs of initial technical adjustments (setup), including adjustment of user controls.
3. Payment of shipping and related charges incurred in returning the Product for warranty repair.

How You Can Get Warranty Service
You have the option of returning this Product to a NECTECH authorized service center or directly to a NECTECH factory for repair. It shall be your obligation and expense to ship the Product, freight prepaid, or to deliver it to a NECTECH authorized service center or other facility authorized by NECTECH to render the warranty services in either the original package or a similar package affording an equal degree of protection. NECTECH may require that you provide the original bill of sale or receipt as proof of purchase in order to obtain warranty service. Please retain such proof of purchase with your records.

Limitation of Damages and Implied Warranties
NECTECH'S SOLE LIABILITY FOR ANY DEFECTIVE PRODUCT IS LIMITED TO THE REPAIR OR REPLACEMENT OF THE PRODUCT AT OUR OPTION. NECTECH SHALL NOT BE LIABLE FOR:

1. DAMAGE TO OTHER PROPERTY CAUSED BY ANY DEFECTS IN THIS PRODUCT, DAMAGES BASED UPON INCONVENIENCE, LOSS OF USE OF THE PRODUCT, LOSS OF TIME OR DATA, COMMERCIAL LOSS; OR
2. ANY OTHER DAMAGES, WHETHER INCIDENTAL, CONSEQUENTIAL OR OTHERWISE.

THIS WARRANTY IS EXCLUSIVE AND IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. SOME STATES DO NOT ALLOW THE EXCLUSION OF IMPLIED WARRANTIES OR THE LIMITATION OR EXCLUSION OF LIABILITY FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES. THEREFORE, THE ABOVE EXCLUSIONS OR LIMITATIONS MAY NOT APPLY TO YOU.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

For Information, Telephone 1-800-632-4662

NOTE: All Products returned to NECTECH for service MUST have prior approval; this may be obtained by calling the above number.

This Product is warranted in accordance with the terms of this limited warranty. Consumers are cautioned that Product performance is affected by system configuration, software, the application, customer data, and operator control of the system, among other factors. While NEC TECHNOLOGIES, INC. Products are considered to be compatible with many systems, the specific functional implementation by the customers of the Product may vary. Therefore, the suitability of a Product for a specific purpose or application must be determined by the customer and is not warranted by NECTECH.

References

References

More Information

More reference information regarding your MultiSync® monitor is available on NEC's automated facsimile service, FastFacts™ information, by dialing (800) 366-0476.

Information	Document Description	Number
MultiSync® XV15+™ monitor	Detailed MultiSync XV15+ monitor information	1571201
Glossary	Definitions of terms related to the function, features and installation of the MultiSync monitor	900203
More Information	Names and addresses of other groups involved in standards and features of the MultiSync monitor	900204
Macintosh Connection	Detailed information on connecting the MultiSync monitor to a Macintosh	153006
Healthy Work Environment	Detailed information on setting up a healthy work environment	900108

For more information about FastFacts information, see page 20.

Directory of Telephone Numbers

Customer Service	(800) 388-8888
Direct Sales	(800) 374-8000
FastFacts Information	(800) 366-0476
Literature & Sales Information	(800) NEC-INFO
MultiSync Fulfillment To order software and accessories	(800) 820-1230
MultiSync Monitor Technical Support	(800) 632-4662
Technical Support Fax	(508) 635-4666

NOTE: To request the "Setting Up a Healthy Work Environment" brochure, call NEC at (800) 820-1230, or NEC FastFacts information at (800) 366-0476 and request document #900108.

PROPRIETARY NOTICE AND LIABILITY DISCLAIMER

The information disclosed in this document, including all designs and related materials, is the valuable property of NEC and/or its licensors, as appropriate, reserve all patent, copyright and other proprietary rights to this document, including all design, manu-facturing, reproduction, use, and sales rights thereto, except to the extent said rights are expressly granted to others.

The NEC product(s) discussed in this document are warranted in accordance with the terms of the Warranty Statement accompa-nying each product. However, actual performance of each such product is dependent upon factors such as system configuration, customer data, and operator control. Since implementation by customers of each product may vary, the suitability of specific product configurations and applications must be determined by the customer and is not warranted by NEC.

To allow for design and specification improvements, the informa-tion in this document is subject to change at any time, without notice. Reproduction of this document or portions thereof without prior approval of NEC is prohibited.

NEC Value Series

NEC

NEC Technologies, Inc.
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