



Your PDF Guides

You can read the recommendations in the user guide, the technical guide or the installation guide for NEC VERSA 6200MX. You'll find the answers to all your questions on the NEC VERSA 6200MX in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

User manual NEC VERSA 6200MX
User guide NEC VERSA 6200MX
Operating instructions NEC VERSA 6200MX
Instructions for use NEC VERSA 6200MX
Instruction manual NEC VERSA 6200MX

NEC Computer Systems Division,
A Division of Packard Bell NEC, Inc.

DECLARATION OF CONFORMITY

We, the Responsible Party

NEC Computer Systems Division
Packard Bell NEC, Inc.
1414 Massachusetts Avenue
Boxboro, MA 01719
(508) 264-8000

declare that the product

NEC V6200 Series

is in conformity with part 15 of the FCC Rules. Operation of this product is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.



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(Basics is in the Windows NEC Information group under the NEC Versa 6200MX InfoCenter.) Read through this guide to familiarize yourself with the NEC Versa. Getting Started 1-1 GETTING TO KNOW YOUR NEC VERSA 6200MX The NEC Versa 6200MX Series notebook computer offers you a portable system filled with exciting resources for home, business or travel. Standard features include a powerful Intel® Pentium 166-MHz microprocessor that works

together with the latest Peripheral Component Interconnect (PCI) architecture. In addition, your system provides a high-performance hard disk drive, diskette drive, interchangeable 10X CD-ROM reader, and PC Card support.

As a multimedia system, your NEC Versa also provides the tools needed to create and present impressive images using video clips and sound. To get comfortable with your notebook, read the following sections and take a tour around your system! NEC Versa 6200MX Series notebook computer 1-2 Getting Started Around the Front of the System The NEC Versa 6200MX is compact with features on every side. First, look at the front of the NEC Versa 6200MX. The following sections describe front features, beginning with the liquid crystal display (LCD) panel. LCD Panel The LCD panel on your system offers the features shown in the following figure.

Features are described after the figure. LCD panel features T T LCD -- a 13.3-inch color Thin Film Transistor (TFT) Extended Graphics Array (XGA) display that you can easily adjust for comfortable viewing. Power LED -- a light that is visible with the LCD panel opened or closed. The Power LED indicates the following: Lights green when the system is powered on. Blinks green when the system is in Suspend mode. Blinks amber to indicate that battery power is low. T Brightness Control -- a slide switch that adjusts screen brightness. Increasing the brightness increases screen contrast. Getting Started 1-3 Control Panel The NEC Versa 6200MX control panel provides the features shown in the following figure.

These features are described after the figure. Control panel T T T Stereo Speakers -- provide stereo sound for your multimedia presentations or listening pleasure. The built-in sound system also supports 3D sound, which simulates the latest surround-sound technology. LCD Status Bar -- keeps you informed of your NEC Versa's current operating status. Description of icons appear in the following section. Suspend/Resume (S/R) Button -- press the S/R button to put the unit in Suspend mode when you need to be away from your system for a short period of time and want to return to where you left off. Press the S/R button again to bring the NEC Versa 6200MX out of Suspend mode. Suspend mode shuts down all devices in the system while retaining data and system status. You can find more detailed information on using Suspend mode in Chapter 3, "Using Setup." T Power Button -- slide the power button to the right to power on and power off the computer.

1-4 Getting Started The power button is a "smart" switch, meaning that it recognizes when the system is in Suspend mode. If in Suspend mode, you cannot power off until you press the suspend button again to bring it out of Suspend mode. Status Icons The NEC Versa 6200MX uses LCD icons that communicate system status. See the following figure and list for each icon's meaning. Reviewing status icons T T T T Suspend -- appears when the system is in Suspend mode.

Suspend mode conserves system power by shutting down all devices in the system while retaining data and system status. Power Management -- shows the current power management mode in use, including Off, Custom, Low, or High. Diskette Drive -- appears when the NEC Versa writes data to or retrieves data from a diskette. Hard Disk -- shows when the NEC Versa accesses either the hard disk drive or the CD-ROM reader. Getting Started 1-5 T T T T Caps Lock -- appears when Caps Lock is in effect.

Scroll Lock -- shows that Scroll Lock is in effect. Num Lock -- appears when Num Lock mode is active. Battery Status -- displays the percentage of battery power available. Battery 1 appears when you have one or more batteries installed. Battery 2 appears when you have an optional battery installed in the VersaBay II. A number between the battery icons indicates the percentage of total battery power remaining. If battery status is unknown, dashes appear instead of a percentage. Keyboard Panel and Base Unit The NEC Versa 6200MX keyboard panel and base unit contain the following features, which are described after the figure. Keyboard and base unit 1-6 Getting Started T T Keyboard -- 85 keys with the standard QWERTY-key layout. See Chapter 4 for complete details.

(Models purchased outside of the U.



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S. ship with country-specific keyboard layouts.) NEC VersaGlide -- The NEC VersaGlide works like a standard computer mouse. Simply move your fingertip over the VersaGlide to control the position of the cursor. Use the selection buttons below the VersaGlide to select menu items. VersaGlide settings and features are described in detail in Chapter 4. Microphone -- A strategically positioned built-in microphone allows you to record monophonic sound directly into your notebook computer. See Chapter 5, "Using Multimedia," for details about recording. NEC VersaBay IITM -- A 1.

44-MB diskette drive comes installed in the NEC VersaBay II on the front of your system. You can use this diskette drive, or remove it from the VersaBay II and replace it with the 10x CDROM reader that also ships with your system. It's your choice! The VersaBay II lets you add options, including an optional second LiIon battery, or an additional hard disk drive. See "Customizing Your System with the VersaBay II" in Chapter 4. T T ! CAUTION Remember to power off your system before installing an option.

Hot swapping is not supported. T IR Port -- The infrared (IR) port on the NEC Versa 6200MX lets you send and receive information from other IR-equipped devices such as printers or desktop computers. Using the LapLink® software, you can transmit, receive, and gain access to files on a remote system. See "LapLink" in Chapter 2. Around the Back of the System You'll find system ports for connecting optional devices (like printers, a docking station, or external monitor) on the back of your NEC Versa.

These ports are described following the figure. Getting Started 1-7 Ports on the back of the system T Keyboard/Mouse Port -- Use the standard PS/2 port to connect an external PS/2-style mouse or a PS/2-style keyboard to the system. With an optional Y-cable adapter, you can connect both a mouse and a keyboard at the same time. Parallel Port -- Use this port to connect a parallel printer or other parallel device. The port is an Enhanced Capabilities Port (ECP). The ECP standard provides you with a greater processing speed than the conventional parallel port. It also supports Enhanced Parallel Port (EPP) bidirectional and uni-directional protocols. Expansion Port -- This port (also called the Docking port) provides a connection for NEC Versa 6200MX options including the NEC Docking Station 6000 Plus, the NEC PortBar 6000, and the NEC Floppy Disk Drive (FDD) Connector. T T ! CAUTION Only dock the NEC Versa 6200MX on the NEC Docking Station 6000 Plus. The cover of the docking station is specially designed to allow for proper system cooling.

1-8 Getting Started T T Monitor (Video) Port -- Use this 15-pin port to attach an external monitor to your NEC Versa. You can run the LCD display and the external monitor simultaneously or run either alone. Serial Port -- Use this port to connect an external modem or other serial device. Around the Left Side of the System The left side of your NEC Versa 6200MX offers the following features, which are described after the figure. Left side features T T T Two slots for inserting two Type I or Type II PC cards (formerly called PCMCIA cards). You can also insert one Type III PC card. A battery bay and battery bay cover release latch. The battery bay contains an eight-cell Lithium Ion (Li-Ion) battery that lets you run your system on DC power. Audio ports and a volume control knob. Volume Control -- Allows you to control the speaker volume.

Getting Started 1-9 Headphones -- Lets you connect external headphones or speakers to your NEC Versa 6200MX. Plugging in headphones disables the built-in system speakers. Line-Out -- Lets the NEC Versa 6200MX act as an input source for another audio system. Connect this port to a Line-In port on another audio system to play or record. Line-In -- Lets you use another audio system, like a home stereo, as an input source.

Use a cable to connect to the Line-Out port on the other audio system to record or play. Microphone (MIC) -- Allows you to connect an external microphone for monophonic recording or amplification through the unit. Plugging in an external microphone disables the built-in microphone. Around the Right Side of the System The right-side of the NEC Versa 6200MX offers the features shown in the following figure. Features are described after the figure.

Right side features 1-10 Getting Started T Hard Disk Drive Bay and Cover Release Latch -- The hard disk drive bay contains the removable hard disk drive. Your NEC Versa 6200MX comes equipped with a 2.1-gigabyte (GB) hard disk drive. (Some models may ship with a different capacity hard disk drive.) To access the hard disk drive, power off the system, turn the system over, remove the hard disk drive bay cover screw and lift up the hard disk drive bay cover release latch while pushing the cover away from the system. T T Kensington Lock -- Lets you provide added security by installing an optional Kensington Lock. Fan Vents -- Allow your system to cool properly and maintain a safe operating temperature. ! CAUTION Always keep the fan vents clear to allow proper system cooling. T TV Out Port -- Lets you use your television set as an external monitor. This port supports both NTSC and PAL signals.

The TV Out port does not support the SECAM signal used in some countries. For proper display, video mode must be set to 640 x 480. NOTE T AC Power Port -- Use the power jack to attach the NEC Versa to a DC power source, such as the AC adapter or the optional DC car adapter. Getting Started 1-11 Around the Bottom of the System The bottom of the NEC Versa 6200MX offers the features shown next. Descriptions of the features follow the figure. Bottom features T T T T Adjustable Feet -- Allow you to modify the angle of the NEC Versa for easier viewing and typing. Hard Disk Drive Bay -- Contains the system's standard 2.1 gigabyte (GB) hard disk drive. (Some models may ship with different capacity hard disk drive.) NEC VersaBay II Release Latches -- Let you remove the option currently installed in the bay.

Battery Bay -- Contains the system's main battery. It is an eight-cell, Lithium-Ion (Li-Ion) battery. POWER SOURCES FOR YOUR NEC VERSA The NEC Versa 6200MX can be powered using three different sources, making it a truly portable system. Operate your NEC Versa 6200MX just about anywhere using one of the following power sources: T 1-12 Getting Started the AC adapter connected to an electrical wall outlet (using AC power). T T the battery pack or an optional second battery pack.

the optional DC adapter connected to a car cigarette lighter. Read the following sections for specific steps on powering on the system. Using the AC Adapter Use the AC adapter and power cable that came with your NEC Versa to run your computer on alternating current (AC) power, or to recharge the battery pack.



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Use the AC adapter whenever a wall outlet is nearby. Keep the adapter connected whenever possible.

The AC adapter charges the battery whether or not you are using the NEC Versa or have the system powered on. ! WARNING Do not attempt to disassemble the AC adapter. The AC adapter has no user-replaceable or serviceable parts inside. Dangerous voltage in the AC adapter can cause serious personal injury or death. The AC adapter is intended for use with a computer. Both must meet EN609050 standards. AC adapter Getting Started 1-13 Check that the AC outlet voltage falls in the range of 100-240 Volts AC. Verify that the cord and plug are appropriate for your AC source. NOTE Connect the AC adapter as follows: 1. Connect the AC adapter cable to the power port on the right side of your NEC Versa 6200MX.

2. Plug one end of the AC power cable into the AC adapter and the other end into a properly grounded 120- or 240-volt wall outlet. The AC power cable type that your system uses depends on the country where you are using it. Contact the local dealer to purchase the correct power cable. NOTE Connecting the AC adapter 1-14 Getting Started ! CAUTION Do not cover or place objects on the AC adapter. Keeping the adapter clear of objects lets the adapter cool properly during use. Powering On Power on the system as follows. 1. Locate the latch on the front of the LCD panel, slide it to the right, and raise the panel.

2. Locate the power button and slide it to the right to turn on system power. Powering on the system Getting Started 1-15 Using the Main Battery Pack The NEC Versa 6200MX comes with a rechargeable Lithium-Ion (Li-Ion) battery pack. You can run your system on battery power for approximately two to four hours with power management features enabled. It's easy to install and remove. Your NEC Versa 6200MX system provides two tools to help you keep track of the main (or an optional) battery's power level.

These include the battery percentage status described earlier in this chapter under "Status Icons" and the Power Gauge utility. Both let you know how much battery power remains. See Chapter 3, "Using Setup," for more details on using the Power Gauge. When battery power is very low, the power LED flashes amber. When battery power gets low, do either of the following: T T Press the Suspend button to put your system in Suspend mode, remove the battery pack, and replace it with a fully charged Li-Ion battery.

Leave the battery pack in the system and connect your NEC Versa to the AC adapter and a wall outlet. If you connect the system to AC power and keep the system within standard operating temperatures, the battery recharges in approximately 2 hours whether or not you use your system. You can also buy an optional NEC Versa 6200MX battery charger to quickly charge your battery. See the online Options Catalog. ! WARNING To prevent accidental battery ignition or explosion, adhere to the following: T Keep the battery away from extreme heat. T Keep metal objects away from the battery terminals to prevent a short circuit. T Make sure the battery is properly installed in the battery bay. T Read the precautions printed on the battery and in the online Basics. 1-16 Getting Started Determining Battery Status You can determine battery status via the battery icon in the status bar discussed earlier in this chapter. If you have one battery pack installed, one battery icon appears.

If you have two battery icons, two battery packs appear. A blinking battery icon indicates that the battery is charging. Two dashes in place of the percentage number appear in the following cases: T T T T when installing a new battery when battery status is unknown when there is a problem with the battery. To return the battery to its normal state, try the following: remove and then reinstall the battery reinstall the battery in your NEC Versa and fully recharge the battery (to 100%). The battery percentage icon blinks when battery power is low. When to Change the Battery The following symptoms indicate that battery life is nearing an end. Replace batteries that display these symptoms. T T T T Shorter work times. Discoloration, warping. Hot to the touch.

Strange odor. Battery Handling Keep the following in mind when removing or replacing a battery. T T Use Li-Ion batteries only in the NEC Versa computer for which they are designed. Use only the Li-Ion battery designed for your system in the NEC Versa. Mixing other manufacturer's batteries, or using a combination of very old and new batteries can deteriorate battery and equipment performance.

Getting Started 1-17 T T T Turn off power to the system after use. Keeping system power on can degrade battery performance and shorten battery life. Clean the battery terminals with a dry cloth when they get dirty. Keep the battery out of the reach of children. Replacing the Battery Pack Replace the battery pack installed in your NEC Versa system as follows.

Use Li-Ion batteries in the NEC Versa computer for which they are designed. Also, installing another manufacturer's battery, or using a combination of very old and new batteries can deteriorate battery and equipment performance. NOTE 1. Save your files, exit Windows, and press the suspend button or turn off system power. 2. Close the LCD and turn the system over. 3. Release the battery cover latch and slide the battery bay cover away from the system. Removing the cover 1-18 Getting Started 4. Place a finger in the notch on the battery and lift the battery out of the system.

(The notch has an arrow next to it.) ! CAUTION Always lift the battery out of the system by the notch. Failure to do so can damage the battery terminals. Removing the battery 5. Insert the new battery as follows: T T T Locate the alignment groove on the end of the battery opposite the terminals. Locate the alignment tab inside the battery bay at the end opposite the terminals. Fit the battery alignment groove over the tab inside the bay. Getting Started 1-19 T Lower the battery into the battery compartment, pressing gently to secure the terminal connections. Inserting the battery pack 6. Replace the battery bay cover as follows: T T Align the tabs on the bay cover with the grooves on the system chassis.

Lower the cover onto the bay and slide it into place. Replacing the cover 7. Turn the system over. 1-20 Getting Started Battery Precautions To prevent accidental battery ignition, rupture, or explosion, adhere to the following precautions. ! WARNING There is a danger of explosion if the battery is incorrectly replaced.

Replace only with the same or equivalent type recommended by the manufacturer. Discard used batteries according to the manufacturer's instructions. To avoid personal injury and property damage, read these battery precautions on handling, charging, and disposing Li-Ion batteries.



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T Keep the battery away from heat sources including direct sunlight, open fires, microwave ovens, and high-voltage containers. Temperatures over 140° F (60°C) may cause damage.

T Do not drop or impact the battery. T Do not disassemble the battery. T Do not solder the battery. T Do not puncture the battery. T Do not use a battery that appears damaged or deformed, has any rust on its casing, is discolored, overheats, or emits a foul odor. T Keep the battery dry and away from water. T Keep metal objects away from battery terminals. Metal objects in contact with the terminals can cause a short circuit and damage. If the battery leaks: T If the battery leaks onto skin or clothing, wash the area immediately with clean water. Battery fluid can cause a skin rash and damage fabric.

T If battery fluid gets into eyes, DO NOT rub; rinse with clear water immediately and consult a doctor. T Take extra precautions to keep a leaking battery away from fire. There is a danger of ignition or explosion. Getting Started 1-21 Recharging Battery Precautions Adhere to the following precautions when recharging the Li-Ion battery. T T T T Use only the NEC battery charger designed for your NEC Versa battery type. Different NEC Versa models require different batteries and battery chargers. Charge the battery for the specified charge time only. During charging, keep the environmental temperature between 32°F and 104°F (0°C to 40°C). Read the instructions that came with the battery charger before charging the battery. Extending Battery Life While on the road, it is important to be aware of the simple things you can do to extend the life of the system's main battery.

One way is to keep the LCD backlight setting to Standard instead of Full. You can toggle between these two settings by pressing the function keys Fn+F5. Or slide the backlight control to a dimmer level. You will find an extensive explanation of how best to apply the power management tools that your system offers in Advanced Topics in the online InfoCenter (in some countries, the system ships with an online user's guide instead of the InfoCenter). Other important topics to view in the online document include Maximizing Battery Life, Battery Charging and Disposal.

NEC VersaBay II Battery and Adapter Kit The NEC VersaBay II Battery and Adapter Kit provides a second LithiumIon (Li-Ion) battery and adapter to use in your NEC Versa 6200MX computer. Inserting a second fully charged battery increases battery life to approximately 4 to 5 hours. See the online Options Catalog in the NEC Versa 6200MX InfoCenter, or your authorized NEC dealer for details about the NEC VersaBay II Battery and Adapter Kit. 1-22 Getting Started Using the DC Car Adapter Another way to power your NEC Versa 6200MX is via car battery power using the optional DC car adapter. Connect your system to the optional DC car adapter as follows.

1. Disconnect the AC adapter from the system if connected. 2. Plug the appropriate end of the car DC adapter into the power port on the system. 3. Plug the DC car adapter into a car cigarette lighter. Connecting the car DC adapter Internal Batteries The eight-cell Lithium-Ion (Li-Ion) battery provides the main power source in your NEC Versa 6200MX computer. See Appendix B for a list of Li-Ion battery specifications. In addition to this battery, the CMOS battery and bridge battery also provide system power. CMOS Battery This lithium battery provides battery backup and prevents data loss in the system's complementary metal oxide semiconductor (CMOS) RAM.

This memory area contains information on the system's configuration, for example date, time, drives, and memory. The CMOS battery lasts approximately two years. An authorized NEC service technician can replace the CMOS battery for you. Getting Started 1-23 Bridge Battery The bridge battery saves your system status in Suspend mode for up to five minutes. This gives you time to install a fully charged battery or plug in AC power when your battery charge becomes low. Only an authorized NEC dealer can change a bridge battery. ! CAUTION Connect your NEC Versa system to AC power for a full 24 hours before using it on battery power for the first time. Doing so insures that the bridge battery is fully charged and that no data is lost during a battery change. SYSTEM CARE

The NEC Versa 6200MX is a durable, dependable system built for extensive use and travel. Follow these guidelines to maintain the condition and performance of your computer.

! CAUTION Immediately turn off and unplug the NEC Versa under the following conditions: T The power cord is damaged or frayed. T Liquid spills on or into the NEC Versa. T Someone drops the system or damages the casing. Precautions Follow these precautions when using your NEC Versa 6200MX, AC adapter, and VersaBay II. T Always plug the AC adapter cord into an easily accessible outlet.

It is important to be able to easily shut off power to the computer by unplugging the AC adapter. 1-24 Getting Started T T T T Avoid dropping or bumping the computer or the AC adapter. Do not stack heavy objects on the computer, the AC adapter, or the battery packs. Avoid moving the NEC Versa 6200MX during system operation, especially while the hard disk or diskette drive is being accessed. When using the AC adapter, make sure the power source falls within the system's compatible range of 100-240 volts AC.

Never use the AC adapter if the voltage falls outside of this range. (Watch for this when traveling to other countries.) Turn computer power off before attaching or removing non-plug and play devices. Do not push any foreign objects into the NEC Versa option bays, connectors, and slots. Avoid using the computer or AC adapter for extended periods in direct sunlight. Do not use the system in humid or dusty environments. Turn computer power off before cleaning it. Avoid exposing the NEC Versa 6200MX or AC adapter to extreme changes in temperature or humidity. If it is unavoidable, allow your NEC Versa to adjust to room temperature before use. When cleaning the system, use a soft, clean, dry cloth.

Avoid wiping the display surface with abrasive material, including rough fabric. Do not use a cleaning solution; this may damage the notebook's plastic. If the AC adapter becomes extremely hot, unplug the adapter and let it cool. Keep the AC adapter away from the IR ports. T T T T T T T T Storage Requirements Store the computer and AC adapter in an environment that meets the following conditions: T Maintain storage temperatures between 4°F and 104°F (20°C and 40°C). Getting Started 1-25 ! CAUTION If the temperature of the NEC Versa suddenly rises or falls (for example, when you move the system from a warm place to a cold place), vapor condenses inside the system. Turning on the system under this condition can damage the internal system components.



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Before turning on the system, wait until the system's internal temperature equalizes with the new environment and any internal moisture can evaporate. T T T Keep the storage area free from vibration and magnetic fields. Keep the system and its components away from organic solvents or corrosive gases.

Avoid leaving the system and its components in direct sunlight or near heat sources. Routine Cleaning Clean or dust your system as follows. ! CAUTION Never use harsh solutions, household cleaners, or spray cleaners that contain caustic materials on the NEC Versa 6200MX. These cleaners are usually high in alkalinity which is measured in pH. Using these cleaners can cause the plastic surface to crack or discolor.

T T LCD screen -- Carefully wipe the LCD screen with a soft cloth or a screen wipe designed for that purpose. Special screen wipes are available through your local computer dealer. System case -- NEC recommends that you carefully wipe the case with a slightly damp, almost dry cloth. 1-26 Getting Started 2 Introducing the Software This chapter introduces you to the software* that comes with the NEC Versa 6200MX, including: T T T the Windows 95 operating system, or the Windows for Workgroups ® operating system with MS-DOS Online Help NEC Utilities Setup NEC Customize Utility Power Gauge Utility

HDPREPEZ Utility Backup Utility T Other Software LapLink® McAfee VirusScan and WebScan MediaMatics Arcade™ MPEG Player XingMPEG Player™ America Online® CompuServe® Netscape Navigator® Dial-Up Edition Official Airline Guide (OAGTM) *The software listed here is current as of February 1997. The list is subject to change without notice.

Introducing the Software 2-1 WINDOWS INTRODUCTION Your NEC Versa 6200MX gives you the option of loading either Windows 95 or Windows for Workgroups to use on your system. During the initial system start-up, selecting one operating system deletes the other. Both Microsoft operating systems provide a means of running applications, navigating through your file structure, and using your notebook computer. Each operating system offers its own look and tools. Both Windows 95 and Windows for Workgroups employ a graphical interface to make the operating systems easy to use. Windows 95 Windows 95 gives you the newest features offered by Microsoft, including a Desktop with room to maneuver, a Taskbar for quick navigation between open windows, plug and play features, online networking functions, and more. When you choose to install Windows 95, the following icons are loaded on your desktop: T T T T T T T T My Computer -- provides access to drives, printers, the control panel, and network features. Inbox -- lets you access the Microsoft fax and mail software as well as Microsoft network services. Recycle Bin -- gives you a trash container in which to put unwanted files. Network Neighborhood-- shows you the network, integrated LANs, and WANs (if your system is connected to a network).

My Briefcase -- allows easy transfer of files between the NEC Versa 6200MX and another system. NEC Customize -- installs NEC-designed desktop features, including custom wallpaper, the latest VersaGlide software controls, and the automatic running of McAfee antivirus software each time you boot. NEC Versa InfoCenter -- provides quick access to a variety of online topics. (In some countries, the system ships with an online user's guide instead of the InfoCenter.)

2-2 Introducing the Software T Start -- displays a pop-up menu with which to start programs and applications, open documents, access system settings, look at online help, and shut down your system. See the online Using Windows 95 in the NEC Versa 6200MX InfoCenter group for detailed instructions on using Windows 95. Windows for Workgroups Windows for Workgroups offers the well-established Windows interface. Application icons are placed in groups, which are represented by group icons. To start an application, highlight and double click or double tap the application icon. The Program Manager contains the following groups.

T T T T T T Main -- Includes programs and tools to help you control printing; set up printers, plotters, and modems; customize the desktop; and manage files.

Accessories -- Includes desktop programs that come with Windows, such as a simple word processing program, a drawing program, a calendar, and a calculator. Startup -- Lets you add programs to start automatically when you enter Windows. Games -- Gives you a way to practice your VersaGlide skills or just relax. Applications -- Includes any applications that Windows detects on your hard disk during installation.

NEC Versa InfoCenter -- Includes online topics specific to the NEC Versa, NEC customer support, and Windows and DOS. (In some countries, the system ships with an online user's guide instead of the InfoCenter.) NEC Utilities -- Includes small programs written by NEC to help you manage your NEC Versa computer. T See the online Windows QuickStart 3.11 in the NEC Versa 6200MX InfoCenter group for detailed instructions on using Windows for Workgroups.

Introducing the Software 2-3 DOS INTRODUCTION MS-DOS is the Microsoft disk operating system that runs the computer when Windows for Workgroups is loaded. DOS uses commands that every personal computer user needs to know at least a little about. The Windows environment makes it possible for you to manage your system and application programs without knowing DOS commands, but as you become more comfortable with computers you may want to begin learning DOS. For detailed instructions on how to use MS-DOS, refer to the online book MS-DOS 6.22 QuickStart in the NEC Versa InfoCenter program group, if you selected the Windows for Workgroups operating system. GUIDE TO ONLINE HELP The NEC Versa 6200MX has plenty of information for you online. The NEC Versa 6200MX InfoCenter group contains information about your NEC Versa 6200MX, warranty coverage, and customer services. NEC

Versa 6200MX InfoCenter The NEC Versa 6200MX InfoCenter contains several specific areas of information to help you. Audio tracks and animated examples make this an exciting learning experience. (In some countries, the system ships with an online user's guide instead of the InfoCenter.

) T System Tour The NEC Versa System Tour gives you a complete tour of the system, pointing out components, switches, software and utilities. Take the tour to become comfortable with your new NEC Versa 6200MX. T T T Basics Basics describes the NEC Versa 6200MX main features, how to travel with the system, use power management, and care for the system. Advanced Topics Advanced Topics covers specific areas such as adding options, changing setup settings, and solving problems. Questions and Answers Questions and Answers provides frequently asked questions and answers about portable computers to help you solve common problems yourself. 2-4 Introducing the Software T Options Catalog The Options Catalog lists options such as memory cards, hard drives, carrying cases, and PC cards that you can purchase for use with the NEC Versa 6200MX.



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The price information in the Options Catalog is only applicable for North America. NOTE Additional Online Topics In addition to the InfoCenter, your NEC Versa also contains the following online help. T Customer Support Guide The NEC Customer Support Guide discusses the various levels of support NEC offers you, our customer. We provide lots of information to help you become self-sufficient with your NEC Versa, but if you need help, we're there for you. If you purchased the computer outside the U.S., please contact a local NEC office or dealer for the warranty program in your area. T UltraCare Guide The NEC UltraCare Guide describes NEC's three-year warranty program to help you protect your investment in an NEC Versa Series computer. If you purchased the computer outside the U.

S., please contact a local NEC office or dealer for the warranty program in your area. T The Windows QuickStart 3.11 Guide This online "book" provides lessons on using Microsoft Windows, which runs on the NEC Versa 6200MX. (This file is available only when you choose the Windows for Workgroups 3.11 operating system.) T The MS-DOS 6.22 QuickStart Guide This online "book" offers lessons on using MS-DOS, which also runs on the NEC Versa 6200MX. (This file is available only when you choose the Windows for Workgroups 3.11 operating system.) Introducing the Software 2-5 T Using Windows 95 This online help file lets you explore Windows 95 and learn about navigating through the new interface. (This file is available only when Windows 95 is the operating system loaded.) GUIDE TO NEC UTILITIES NEC provides several programs and routines designed to make your NEC Versa 6200MX run more efficiently. These programs are called utilities. Setup Utility The Setup utility automatically configures your NEC Versa each time you start it up.

This utility is not accessible from Windows. To change settings, press F2 to access Setup when the screen displays the following prompt at boot-up: Press <F2> to enter SETUP See Chapter 3, "Using Setup," and Advanced Topics for a discussion of the Setup utility. In addition, online help assists you in making appropriate settings. NEC Customize Utility In Windows 95 systems, the NEC Customize utility installs NEC-designed desktop features, including custom wallpaper, the latest VersaGlide software controls, and the automatic running of McAfee antivirus software each time you boot. Power Gauge Utility The Power Gauge utility communicates the percentage of total battery power remaining for one or two batteries. In Windows for Workgroups systems, double click the NEC Utilities icon and select the PwrGauge utility. (The NEC PwrGauge icon may appear minimized in the lower-left corner of your screen.) In Windows 95, double click the battery icon that appears on the right side of the taskbar to call up the power gauge. (If you are using AC power, the icon appears as a plug.) If you simply move your cursor over the icon, it indicates battery power percentage as balloon help.

2-6 Introducing the Software HDPREPEZ Utility NEC provides the HDPREPEZ utility to automatically configure your NEC Versa system hard disk space when you increase system memory. You only need to access this utility when you install more than 32 MB of additional memory. For more details about the HDPREPEZ utility, see the HDPREPEZ.DOC file in the NECUTILS/HDPREP directory. NOTE Using HDPREPEZ in Windows for Workgroups In Windows for Workgroups, use these steps to run the HDPREPEZ utility.

1. Exit Windows.
2. At the c: prompt, type cd \necutils\hdprep and press Enter to change to the \necutils\hdprep directory.
3. Type HDPREPEZ and press Enter. The utility automatically prepares your NEC Versa for the newly installed memory. Using HDPREPEZ in Windows 95 In Windows 95, use these steps to run the HDPREPEZ utility.
1. Power off and restart your NEC Versa.
2. At the statement "Starting Windows 95," press F8.
3. From the Startup menu, select Option 6, "Safe Mode Command Prompt Only."
- 4.

Enter MS-DOS. At the c: prompt, type cd \necutils\hdprep and press Enter to change to the \necutils\hdprep directory.

5. Type HDPREPEZ and press Enter. The utility automatically prepares your NEC Versa for the newly installed memory.
6. Power off your system and then power on. The newly installed system memory is now reallocated to the appropriate resources.

Introducing the Software 2-7 Backup Utility The NEC Backup utility gives you quick access to Microsoft's back-up software. For details about using the Microsoft back-up software, see the operating system user's guide.

OTHER SOFTWARE Your NEC Versa 6200MX comes with other programs that let you take full advantage of your system resources. The rest of this chapter discusses each program, including what it can do for you, how to get started, and how to use the program help. LapLink LapLink helps you stay in touch with your home office system or get in touch with other systems through infrared port, modem, network, or cable. Use LapLink to transfer files, gain access to files on a remote system, or exchange written information with another user on a remote system. LapLink even bridges the communication gap between Windows

- 3.

11 and Windows 95 systems. LapLink offers the following features:

- T T File Transfer -- lets you move or copy files between computers. To speed file transfer, LapLink compares files being updated and transfers only the changed information.
- Remote Control -- gives you access and control over a remote computer. Activity you perform on a local system, such as keystrokes, file access and change, and program execution, actually occurs on the remote system.

- Chat -- provides a way for you to exchange information, instructions, or other messages with a user at a remote computer. T LapLink software must be loaded on both the sending (local) and receiving (remote) systems for communication between them to work properly.

2-8 Introducing the Software How to Use LapLink Follow these steps to get started using LapLink. Once you have LapLink up and running, refer to LapLink's online help for more information.

1. Start the LapLink Traveling software as follows:
- T T In Windows for Workgroups, locate and double click the LapLink group icon. Select LapLink for Windows.
- In Windows 95, press Start, slide the cursor over to Programs, and locate the LapLink for Windows 95 folder. In the folder, highlight the LapLink line and press the VersaGlide selection button or tap the VersaGlide pad once. If you do not have a port enabled, LapLink prompts you to enable one.

Press Yes to do so and follow the on-screen instructions to configure the port. Otherwise, press No.

2. Once your ports are configured, select your communication method by pressing the appropriate button. The buttons give you the following connection options. (Balloon help displays each button's function.



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) T T T T T Connect over cable Connect over wireless Connect over modem Connect over network Connect over dial-up network Once communication is established between systems, the LapLink window is displayed. 3. Select the procedure you want to use by pressing one of the last three buttons in the LapLink toolbar at the top of the screen. (Balloon help displays each button's function.

) T T T Press the file transfer button to transfer files between systems. Press the Remote Control button to exercise control over a remote system. Press the Chat button to converse with another user at the remote system. Introducing the Software 2-9 4. When you finish, press the disconnect button to break the link between the local and remote systems.

Press OK. The other system is notified of the break in communications. To find out more about LapLink capabilities and uses, refer to the online help that is available when you open LapLink. McAfee VirusScan The McAfee VirusScan software is set up to scan your system daily. You can change these settings through the VShield Configuration Manager.

Access the configuration manager as follows. 1. From the McAfee VirusScan95 program group, highlight the VShield Configuration Manager. 2. Open the configuration manager. It contains a set of four tabs with various configuration features. The Detection tabs give you control over what is scanned and when scanning occurs. McAfee WebScan Scans data and files that you import from Web sites before loading the files onto your system. If the data or files contain viruses, WebScan warns you and lets you cancel the action. WebScan is ready to install once you have installed a Web browser.

MediaMatics Arcade MPEG Player Provides MPEG Playback software for Windows 95. See Chapter 5, "Using Multimedia," for instructions on using this application. XingMPEG Player Provides MPEG Playback software for Windows for Workgroups. See Chapter 5, "Using Multimedia," for instructions on using this application. 2-10 Introducing the Software Online Services Your NEC Versa comes with all the software you need to get started on the most popular online services available today. Before using online services, you must connect an optional modem to your system. Your modem must also be connected to a working telephone line. If you are using this product outside of the United States, some online services may require a long-distance or international call. NOTE For a fee, online services give you access to the Internet, e-mail, the World Wide Web, travel information, news reports, and more, depending on the service selected. Some online services give you a free trial period.

Before choosing and registering for an online service, make sure your modem is connected to a working phone. The line must be an analog line. If you are unsure what type of line you have, call your local telephone company. Access online services preloaded on your system as follows: 1. Connect an optional modem to your system and to a phone line.

2. Continue as follows: T T From the Program Manager in Windows for Workgroups, locate and double click on the program group for the service you want to investigate. Double click on the program icon to open the program. In Windows 95, press Start, slide to the Programs group, slide to Online Services, and slide to the online service group that you want to open. In the group, highlight the service and release the mouse button.

3. Follow the on-screen instructions to log onto the service. Introducing the Software 2-11 America Online To find out about America Online features, highlight "America Online" in the America Online program group. In Windows for Workgroups, double click. In Windows 95 release highlight "AOL & Internet FREE Trial!" and release the mouse button. From the Help drop-down menu, select "Contents." CompuServe Find out more about CompuServe and its features as follows: 1. Locate the CompuServe Setup icon in one of the following places: T T In Windows for Workgroups, the icon is found in the CompuServe program group. In Windows 95, it is in the Online Services program group. 2.

Double click the CompuServe Setup icon. 3. Select Yes to start the installation. 4. In the Welcome screen, press the View Readme button. When you finish reading the readme text, exit the file and press Cancel to stop the installation. If you decide to install the software, press the appropriate button and follow the on-screen instructions. Netscape Navigator Dial-Up Edition Netscape lets you access all that the Internet has to offer. You will need to use the Netscape Navigator Install program in the Netscape Dial-Up Edition menu or program group to install Netscape Navigator. Follow the on-screen instructions to complete the installation.

Installing Netscape Navigator generates a Netscape Navigator group and a shortcut icon on your desktop. 2-12 Introducing the Software Official Airline Guide (OAG) The Official Airline Guide is an online service that gives you access to flight details for all commercial airlines worldwide. NEC provides a sample of the monthly data that OAG provides. (You can call the software company for a free copy of the most current information.) OAG offers NEC Versa owners a special rate when they subscribe to OAG for monthly updates.

OAG is an invaluable service for anyone who travels on a regular basis. All you have to do is enter your departure city, destination city, and date. If you have a preferred airline, you can also enter its name. The service then lists all the flights available from the departure city, the times, and the flight numbers. You can also check on seat availability and prices.

Access OAG as follows. 1. Connect an optional modem to your system and to a phone line. 2. Start OAG as follows: T T From the Program Manager in Windows for Workgroups, locate and double click on the OAG program icon. In Windows 95, press Start, slide to the Programs group, and open the OAG FlightDisk group. In the group, highlight "OAG FlightDisk Worldwide Edition" and release the mouse button. 3. The first time you open OAG, an agreement screen appears. Read the agreement and press Continue to accept the agreement.

Press Continue again to access the trip plan screen. 4. In the Trip Plan screen, fill in the fields with the trip information requested. Press Enter after making selections from the available drop-down lists. 5. To retrieve seat availability and price information, press the appropriate button and follow the on-screen instructions to register for a free trial of the OAG travel service. Introducing the Software 2-13 3 Using Setup Your NEC Versa 6200MX comes with a hardware program called Setup that allows you to view and set system parameters. Setup also allows you to set password features that protect your system from unauthorized use. Use Setup to T T T T set the current time and date customize your operating system to reflect your computer hardware secure your system with a password balance your performance needs with power conservation.



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HOW TO ENTER SETUP Access Setup at power-on.

Just press F2 when the following prompt appears. Press <F2> to enter Setup When you press F2 to enter Setup, the system automatically detects current parameter settings with the Power-On Self-Test (POST). If the system detects an error during POST, it prompts you with a double beep and a message: "Press <F1> to resume." If you press F1, the system enters Setup automatically. Using Setup 3-1 Setup Utility Main Menu After you press F2, the system displays the Setup Main Menu screen, similar to the following.

AMIBIOS HIFLEX SETUP UTILITY - VERSION 1.05 (C)1996 American Megatrends, Inc. All Rights Reserved Standard CMOS Setup Advanced CMOS Setup Power Management Setup Peripheral Setup Change User Password Change Supervisor Password Auto Configuration with Defaults Save Settings and Exit Exit Without Saving Standard CMOS setup for changing time, date, hard disk type, etc. Setup Main Menu Use the up and down arrow keys (located on the lower right corner of the keyboard) to toggle through the Setup menu items. (The Change User Password option is only available if a Supervisor Password is defined.

) HOW TO USE SETUP The following sections describe how to use Setup, including these topics: T T T Looking at screens Using keys Checking and setting system parameters. 3-2 Using Setup Looking at Screens Setup screens have three areas as shown next. AMIBIOS SETUP - ADVANCED CMOS SETUP (C)1996 American Megatrends, Inc. All Rights Reserved Available Options: C:,A: A:,C: BootUp Sequence Plug and Play Aware O/S NumLock (at BOOT) Keyboard Auto-repeat Rate Keyboard Auto-repeat Delay Password Check A:,C: Auto Off 30/sec 1/2 sec Setup :Sel ESC:Exit PgUp/PgDn:Modify F3/F4:Color Advanced CMOS Setup menu T T T Parameters The left part of the screen. This area lists parameters and their current settings Available Options The right part of the screen. This area lists alternate settings. Key Legend The bottom right corner of the screen. These lines display the keys that move the cursor and select parameters. Options that are grayed out are not available for the current selection. Using Setup 3-3 Using Keys The following table lists Setup keys and their functions.

Setup Key Functions KEY PgUp/PgDn Tab WHAT IT DOES Moves the cursor between the displayed parameters. Modifies the current parameter settings. For some parameter settings, moves the cursor between the subfields. Also moves the cursor to the next line or selection. For example, for System Time, Tab moves the cursor from hour to minute to second. Exits the current screen and returns to the Main Menu screen. From the Main Menu screen, displays the prompt "Quit without saving." Changes the screen color. Esc F3/F4 Checking/Setting System Parameters See the following table for a list of parameters, their factory default settings, and alternate settings. A description of each setting follows the table.

To reset all parameters to the default settings, select Auto Configuration with Defaults from the Setup Main Menu and press Y and Enter. 3-4 Using Setup Setup Parameters PARAMETER Standard CMOS Setup System Date System Time Diskette Drive A Diskette Drive B Internal Hard Disk Drive Primary Master Primary Slave Docking Station Hard Drives* Secondary Master* Secondary Slave* Boot DS IDE* System Memory Extended Memory Advanced CMOS Setup Bootup Sequence Plug and Play Aware O/S NumLock (at Boot) Keyboard Auto-Repeat Rate Keyboard Auto-Repeat Delay Password Check Power Management Setup Power Management under AC Power Savings Level Hard Disk Timeout Video Timeout** Serial Timeout** Audio Device Timeout** Standby Timeout** Auto Suspend Timeout** Suspend Mode Auto Save to File Panel Backlight Video Highlight Suspend Warning Tone DEFAULT SETTING MO/DAY/YEAR HR:MIN:SEC 1.44 MB, 3.5" Not Installed Enabled Auto Auto Enabled Auto Auto No 640 KB 31744 KB ALTERNATE SETTING(S) Not installed/360 KB 5.25"/1.

2 MB, 5.25"/720 KB 3.5" 1.2 MB, 5.25"/1.

44 MB 3.5" Disabled Not installed/BIOS Defined/User Defined/CD-ROM Not installed/ BIOS Defined/User Defined/CD-ROM Disabled Not installed/BIOS Defined/User Defined/CD-ROM Not installed/BIOS Defined/User Defined/CD-ROM Yes (automatically detected) A:, C: No Off 30/sec 1/2 sec Setup C:, A: Yes On 2/sec, 6/sec, 10/sec, 13/sec, 19/sec, 22/sec, 27/sec 1/4 sec, 3/4 sec, 1 sec Always Off Longest Life 2 min. 2 min. On On 4 min. 10 min. Suspend On Full Full On On High Perform/Custom /Off 5/30/45 sec; 1/4/6/8/10/15 min.; Off 30/45 sec.; 1/4/6/8/10/15 min.; Off Off Off Off/1/2/6/8/10/15 min. Off/5/10/15/20/25/30 min.

STF Off Standard/Auto Standard Off Using Setup 3-5 Setup Parameters PARAMETER PCMCIA Power DEFAULT SETTING On Off Off Off ALTERNATE SETTING(S) Off On On On Set time in 5 min. increments when wake up is set to On. Disabled COM1 (3F8, IRQ4) COM2 (2F8, IRQ3) COM3 (3E8, IRQ4) COM4 (2E8, IRQ3) Disabled LPT1 (378, IRQ7) LPT2 (278, IRQ5) Uni-Directional/Bi-Directional/EPP Disabled COM3 IRQ9 COM2 (2F8, IRQ3) COM4 (2E8, IRQ3) MIR, FIR PAL Disabled/User Defined 5***7/9/10/11 DMA #0/DMA #1*** DMA #0/DMA #3*** Reconfigure/300h/310h/320h/330h Reconfigure**** Modem Ring Resume Wake Up from Suspend Alarm Resume Alarm Time Peripheral Setup Serial Port Reconfigure (PnP OS Setup) Parallel Port Reconfigure (PnP OS Setup) ECP Reconfigure (PnP OS Setup) Parallel Mode IR Serial Port IR Serial Mode TV Mode Sound Sound IRQ SB-compatible DMA Full Duplex Mode DMA Docking Station MPU-401* Docking Station Game Port* SIR NTSC Reconfigure N/A N/A N/A Disabled Disabled * Visible or available only when notebook is docked. ** Can only be modified when power management is set to Custom. *** Default options when sound setup is set to User Defined. **** If the docking station game port is set to reconfigure, use I/O Address 201. 3-6 Using Setup Setup Menus Read the following descriptions for explanations of items that appear in the Setup menus, as listed in the preceding table. See the item-specific help that appears on the Setup screen for more details. Standard CMOS Setup When you select the Standard CMOS Setup screen you will see System Time and System Date parameters as well as drive parameters. T Date -- This field lets you set your NEC Versa's calendar month, day and year.

The calendar clock is year 2000-compliant. These settings remain in memory even after you turn off system power To set the date use the Tab or arrow keys to move from field to field. Use the PgUp or PgDn key to change the numbers within each field. T Time -- To set the time, enter the current hour, minute, and second in hr/min/sec, 24-hour format..

To set the time use the Tab or arrow keys to move from field to field. Use the PgUp or PgDn key to change the numbers within each field. T T T Diskette Drives -- The diskette drive parameters let you check and change settings for your diskette drives.



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