





# Asus Motherboard A8V-MX User Manual

Asus a8v-mx motherboard user manual



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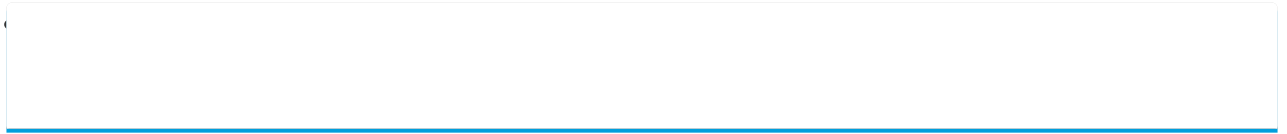
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**A8V-MX**



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### [Motherboard Asus A8V-VM User Manual](#)

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### [Motherboard Asus A8N-VM CSM NBP User Manual](#)

A8n-vm csm/nbp user's manual for english edition (76 pages)

### [Motherboard Asus A8N-SLI - Motherboard - ATX User Manual](#)

A8n-sli english edition user's manual, version e2068 (88 pages)

### [Motherboard Asus A88X-PLUS User Manual](#)

(70 pages)

## Summary of Contents for Asus Motherboard A8V-MX

[Page 1](#) A8V-MX...

[Page 2](#) Product warranty or service will not be extended if: (1) the product is repaired, modified or altered, unless such repair, modification or alteration is authorized in writing by ASUS; or (2) the serial number of the product is defaced or missing.

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## [Page 6: Notices](#)

Notices Federal Communications Commission Statement Federal Communications Commission Statement Federal Communications Commission Statement Federal Communications Commission Statement Federal Communications Commission Statement This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: • This device may not cause harmful interference, and •...

## [Page 7: Safety Information](#)

Safety information Electrical safety Electrical safety Electrical safety Electrical safety Electrical safety • To prevent electrical shock hazard, disconnect the power cable from the electrical outlet before relocating the system. • When adding or removing devices to or from the system, ensure that the power cables for the devices are unplugged before the signal cables are connected.

## [Page 8: A8V-Mx Specifications Summary](#)

Supports up to 8 USB 2.0 ports ASUS Q-Fan 4 Mb Flash ROM, AMI BIOS, PnP, DMI, WfM2.0, ACPI 2.0a, SM BIOS 2.3, PXE flash utility ASUS EZ Flash ASUS CrashFree BIOS 2 ASUS C.P.R. (CPU Parameter Recall) (continued on the next page)

[Page 9](#) ASUS PC Probe II ASUS Live Update utility Anti-virus software (OEM version)  
\*Specifications are subject to change without notice.

[Page 10](#) x x x x x...

[Page 11](#) This chapter describes the motherboard features and the new technologies it supports. Product introduction...

## [Page 12: Welcome](#)

Thank you for buying an ASUS The motherboard delivers a host of new features and latest technologies, making it another standout in the long line of ASUS quality motherboards! Before you start installing the motherboard, and hardware devices on it, check the items in your package with the list below.

[Page 13](#) Dual-channel DDR memory support Dual-channel DDR memory support Dual-channel DDR memory support Dual-channel DDR memory support Dual-channel DDR memory support Employing the Double Data Rate (DDR) memory technology, the motherboard supports up to 2 GB of system memory using DDR400/333 DIMMs.

## [Page 14: Innovative Asus Features](#)

ASUS EZ Flash BIOS ASUS EZ Flash BIOS With the ASUS EZ Flash, you can easily update the system BIOS even before loading the operating system. No need to use a DOS-based utility or boot from a floppy disk. See page 2-3 for details.

## [Page 15: Before You Proceed](#)

Before you proceed Take note of the following precautions before you install motherboard components or change any motherboard settings. • Unplug the power cord from the wall socket before touching any component. • Use a grounded wrist strap or touch a safely grounded object or a metal object, such as the power supply case, before handling components to avoid damaging them due to static electricity •...

## [Page 16: Motherboard Overview](#)

Motherboard overview 1.5.1 1.5.1 Motherboard layout Motherboard layout 1.5.1 1.5.1 1.5.1  
Motherboard layout Motherboard layout Motherboard layout PS/2KBMS T: Mouse KBPWR B:  
Keyboard COM1 USB12 USBPW12 ATX12V USBPW34 LAN\_USB34 Top:Line In Center:Line Out  
Below: Mic In RTL8201CL PCIEX1 CR2032 3V Lithium Cell CMOS Power CLRTC ALC653...

## [Page 17: Placement Direction](#)

1.5.2 1.5.2 1.5.2 Placement direction Placement direction Placement direction 1.5.2 1.5.2  
Placement direction Placement direction When installing the motherboard, make sure that you  
place it into the chassis in the correct orientation. The edge with external ports goes to the rear  
part of the chassis as indicated in the image below.

## [Page 18: Central Processing Unit \(Cpu\)](#)

Central Processing Unit (CPU) The motherboard comes with a surface mount 939-pin Zero  
Insertion Force (ZIF) socket designed for the AMD Athlon™ 64FX/AMD Athlon 64™ /AMD  
Sempron™ processor. The 128-bit-wide data paths of these processors can run applications  
faster than processors with only 32-bit or 64-bit wide data paths. Take note of the marked  
corner (with gold triangle) on the CPU.

[Page 19](#) Position the CPU above the socket such that the CPU corner with the gold triangle  
matches the socket corner with a small triangle. Carefully insert the CPU into the socket until it  
fits in place. The CPU fits only in one correct orientation. DO NOT force the CPU into the socket  
to prevent bending the pins and damaging the CPU! When the CPU is in place, push down the  
socket lever to secure...

## [Page 20: System Memory](#)

System memory 1.7.1 1.7.1 1.7.1 1.7.1 1.7.1 Overview Overview Overview Overview Overview  
The motherboard comes with four 184-pin Double Data Rate (DDR) Dual Inline Memory Modules  
(DIMM) sockets. The following figure illustrates the location of the sockets: ✕ A8V-MX A8V-MX  
184-pin DDR DIMM sockets 1.7.2 1.7.2 Memory configurations...

[Page 21](#) Recommended memory configurations Recommended memory configurations  
Recommended memory configurations Recommended memory configurations Recommended  
memory configurations Single-core CPU M o d e M o d e M o d e M o d e M o d e Single-channel  
Dual-channel Dual-core CPU M o d e M o d e M o d e...

[Page 22](#) Size Size Vendor Vendor Size Size Size Vendor Vendor Vend  
or 512 MB CORSAIR CMX512-3200C2...

[Page 23](#) B B B B - supports one pair of modules inserted into both slots as one pair of Dual-  
channel memory configuration. Visit the ASUS website (www.asus.com) for the latest Qualified  
Vendors List. A S U S A 8 V - M X...

## [Page 24: Installing A Dimm](#)

1.7.3 1.7.3 1.7.3 Installing a DIMM Installing a DIMM Installing a DIMM 1.7.3 1.7.3 Installing a  
DIMM Installing a DIMM Make sure to unplug the power supply before adding or removing  
DIMMs or other system components. Failure to do so may cause severe damage to both the  
motherboard and the components.

## [Page 25: Expansion Slots](#)

Expansion slots In the future, you may need to install expansion cards. The following sub-  
sections describe the slots and the expansion cards that they support. Make sure to unplug the  
power cord before adding or removing expansion cards. Failure to do so may cause you physical  
injury and damage motherboard components.

[Page 26](#) Standard interrupt assignments Standard interrupt assignments Standard interrupt  
assignments Standard interrupt assignments Standard interrupt assignments I R Q I R Q P r i o r  
i t y P r i o r i t y I R Q I R Q I R Q P r i o r i t y...

## [Page 27: Pci Slots](#)

1.8.3 1.8.3 1.8.3 PCI slots PCI slots PCI slots 1.8.3 1.8.3 PCI slots PCI slots The PCI slots support



cards such as a LAN card, SCSI card, USB card, and other cards that comply with PCI specifications. The figure shows a LAN card installed on a PCI slot.

### [Page 28: Agp 8X Slot](#)

1.8.5 1.8.5 AGP 8X slot AGP 8X slot 1.8.5 1.8.5 1.8.5 AGP 8X slot AGP 8X slot AGP 8X slot This motherboard has an Accelerated Graphics Port (AGP) slot that supports AGP 8X (+0.8V) and AGP 4X (+1.5V) cards. When you buy an AGP card, make sure that you ask for one with +0.8V or +1.5V specification.

### [Page 29: Jumpers](#)

Jumpers 1. 1. Clear RTC RAM (CLRRTC) Clear RTC RAM (CLRRTC) Clear RTC RAM (CLRRTC) Clear RTC RAM (CLRRTC) Clear RTC RAM (CLRRTC) Clear RTC RAM (CLRRTC)

[Page 30](#) 2. 2. USB device wake-up (3-pin USBPW12, USBPW34, USB device wake-up (3-pin USBPW12, USBPW34, USB device wake-up (3-pin USBPW12, USBPW34, USB device wake-up (3-pin USBPW12, USBPW34, ...

[Page 31](#) 3. 3. Keyboard power (3-pin KBPWR) Keyboard power (3-pin KBPWR) Keyboard power (3-pin KBPWR) Keyboard power (3-pin KBPWR) Keyboard power (3-pin KBPWR)

### [Page 32: 1.10 Connectors](#)

1.10 Connectors 1.10.1 Rear panel connectors 1.10.1 1.10.1 1.10.1 1.10.1 Rear panel connectors Rear panel connectors Rear panel connectors Rear panel connectors 1. 1. PS/2 mouse port (green). PS/2 mouse port (green).

[Page 33](#) 7. 7. USB 2.0 ports 3 and 4. USB 2.0 ports 3 and 4. These two 4-pin Universal Serial Bus USB 2.

### [Page 34: Internal Connectors](#)

1.10.2 Internal connectors 1.10.2 1.10.2 Internal connectors Internal connectors Internal connectors 1. 1. Floppy disk drive connector (34-1 pin FLOPPY) Floppy disk drive connector (34-1 pin FLOPPY) Floppy disk drive connector (34-1 pin FLOPPY) Floppy disk drive connector (34-1 pin FLOPPY)

[Page 35](#) 3. 3. IDE connectors (40-1 pin PRI\_IDE, 40-1 pin SECI\_IDE) IDE connectors (40-1 pin PRI\_IDE, 40-1 pin SECI\_IDE) IDE connectors (40-1 pin PRI\_IDE, 40-1 pin SECI\_IDE) IDE connectors (40-1 pin PRI\_IDE, 40-1 pin SECI\_IDE)

[Page 36](#) 4. 4. Serial ATA connectors Serial ATA connectors Serial ATA connectors Serial ATA connectors...

[Page 37](#) 5. 5. CPU and Chassis fan connectors CPU and Chassis fan connectors CPU and Chassis fan connectors CPU and Chassis fan connectors...

[Page 38](#) 7. 7. USB connectors (10-1 pin USB56, USB78) USB connectors (10-1 pin USB56, USB78) USB connectors (10-1 pin USB56, USB78) USB connectors (10-1 pin USB56, USB78)

[Page 39](#) 9. 9. ATX power connectors (24-pin EATXPWR, 4-pin ATX12V) ATX power connectors (24-pin EATXPWR, 4-pin ATX12V) ATX power connectors (24-pin EATXPWR, 4-pin ATX12V) ATX power connectors (24-pin EATXPWR, 4-pin ATX12V)

[Page 40](#) 10. 10. Front panel audio connector (10-1 pin FP\_AUDIO) 10

## [Page 41: System Panel Connector](#)

11.11. System panel connector (20-1 pin PANEL) 11.

[Page 42](#) 1-321-321-321-321-32 Chapter 1: Product introduction Chapter 1: Product introduction Chapter 1: Product introduction Chapter 1: Product introduction...

[Page 43](#) This chapter tells how to change the system settings through the BIOS Setup menus. Detailed descriptions of the BIOS parameters are also provided. BIOS setup...

## [Page 44: Managing And Updating Your Bios](#)

Refer to the corresponding sections for details on these utilities. Save a copy of the original motherboard BIOS file to a bootable floppy disk in case you need to restore the BIOS in the future. Copy the original motherboard BIOS using the ASUS Update or AFUDOS utilities. 2.1.1 2.1.1...

## [Page 45: Asus Ez Flash Utility](#)

ASUS EZ Flash utility ASUS EZ Flash utility The ASUS EZ Flash feature allows you to update the BIOS without having to go through the long process of booting from a floppy disk and using a DOS-based utility. The EZ Flash utility is built-in the BIOS chip so it is accessible by pressing <Alt>...

## [Page 46: Afudos Utility](#)

2.1.3 2.1.3 2.1.3 AFUDOS utility AFUDOS utility AFUDOS utility 2.1.3 2.1.3 AFUDOS utility AFUDOS utility The AFUDOS utility allows you to update the BIOS file in DOS environment using a bootable floppy disk with the updated BIOS file. This utility also allows you to copy the current BIOS file that you can use as backup when the BIOS fails or gets corrupted during the updating process.

[Page 47](#) Updating the BIOS file To update the BIOS file using the AFUDOS utility: Visit the ASUS website (www.asus.com) and download the latest BIOS file for the motherboard. Save the BIOS file to a bootable floppy disk. Write the BIOS filename on a piece of paper. You need to type the exact BIOS filename at the DOS prompt.

## [Page 48: Asus Crashfree Bios 2 Utility](#)

ASUS CrashFree BIOS 2 utility ASUS CrashFree BIOS 2 utility The ASUS CrashFree BIOS 2 is an auto recovery tool that allows you to restore the BIOS file when it fails or gets corrupted during the updating process. You can update a corrupted BIOS file using the motherboard support CD or the floppy disk that contains the updated BIOS file.

[Page 49](#) Restart the system after the utility completes the updating process. The recovered BIOS may not be the latest BIOS version for this motherboard. Visit the ASUS website (www.asus.com) to download the latest BIOS file. A S U S A 8 V - M X...

## [Page 50: Asus Update Utility](#)

2.1.5 2.1.5 ASUS Update utility ASUS Update utility The ASUS Update is a utility that allows you to manage, save, and update the motherboard BIOS in Windows allows you to: • Save the current BIOS file • Download the latest BIOS file from the Internet •...

[Page 51](#) Updating the BIOS through the Internet To update the BIOS through the Internet: Launch the ASUS Update utility from the Windows S t a r t > P r o g r a m s S t a r t...

[Page 52](#) S t a r t A S U S U p d a t e A S U S U p d a t e. The ASUS Update main window appears. A S U S U p d a t e...

## [Page 53: Bios Setup Program](#)

• Visit the ASUS website (www.asus.com) to download the latest BIOS file for this motherboard and . A S U S A 8 V - M X...

## [Page 54: Bios Menu Screen](#)

BIOS SETUP UTILITY Power Boot Exit [10:55:25] [Thu 07/21/2005] [1.44M, 3.5 in] [ST320410A]  
[ASUS CD-S520/A] [Not Detected] [Not Detected] [Not Detected] [Not Detected] [Not Detected]  
[Not Detected] General Help General Help...

## [Page 55: Menu Items](#)

System Date [Thu 07/21/2005] Legacy Diskette A [1.44M, 3.5 in.] Primary IDE Master  
[ST320410A] Primary IDE Slave [ASUS CD-S520/A] Secondary IDE Master[Not Detected]  
Secondary IDE Slave [Not Detected] Third IDE Master [Not Detected] Third IDE Slave [Not  
Detected] Fourth IDE Master...

## [Page 56: Main Menu](#)

2 - 1 4 BIOS SETUP UTILITY Power Boot Exit [10:55:25] [Thu 07/21/2005] [1.44M, 3.5 in]  
[ST320410A] [ASUS CD-S520/A] [Not Detected] [Not Detected] [Not Detected] [Not Detected]  
[Not Detected] [Not Detected] Use [ENTER], [TAB] or [SHIFT-TAB] to select a field.

## [Page 57: Primary, Secondary, Third, And Fourth Ide Master/Slave](#)

2.3.4 2.3.4 2.3.4 Primary, Secondary, Third, and Fourth IDE Primary, Secondary, Third, and  
Fourth IDE Primary, Secondary, Third, and Fourth IDE 2.3.4 2.3.4 Primary, Secondary, Third, and  
Fourth IDE Primary, Secondary, Third, and Fourth IDE Master/Slave Master/Slave Master/Slave  
Master/Slave Master/Slave While entering Setup, the BIOS automatically detects the presence of  
IDE devices.

## [Page 58: System Information](#)

PIO Mode [Auto] PIO Mode [Auto] PIO Mode [Auto] PIO Mode [Auto] PIO Mode [Auto] Selects the  
PIO mode. Configuration options: [Auto] [0] [1] [2] [3] [4] DMA Mode [Auto] DMA Mode [Auto]  
DMA Mode [Auto] DMA Mode [Auto] DMA Mode [Auto] Selects the DMA mode.

## [Page 59: Advanced Menu](#)

Advanced menu The Advanced menu items allow you to change the settings for the CPU and  
other system devices. Take caution when changing the settings of the Advanced menu items.  
Incorrect field values can cause the system to malfunction. Main Advanced Power Jumperfree  
Configuration...

## [Page 60: Usb Configuration](#)

PCIE Frequency (MHz) [Auto] PCIE Frequency (MHz) [Auto] PCIE Frequency (MHz) [Auto] PCIE  
Frequency (MHz) [Auto] PCIE Frequency (MHz) [Auto] Sets the PCI Express frequency.  
Configuration options: [Auto] [Fixed Clock] 2.4.2 2.4.2 USB Configuration USB Configuration  
2.4.2 2.4.2 2.4.2 USB Configuration USB Configuration USB Configuration Advanced...

[Page 61](#) Port 64/60 Emulation [Disabled] Port 64/60 Emulation [Disabled] Port 64/60  
Emulation [Disabled] Port 64/60 Emulation [Disabled] Port 64/60 Emulation [Disabled] Allows  
you to enable or disable I/O port 60h/64h emulation support. This item should be set to  
[Enabled] for complete USB keyboard legacy support for non-USB aware operating systems.

## [Page 62: Cpu Configuration](#)

2.4.3 2.4.3 CPU Configuration CPU Configuration 2.4.3 2.4.3 2.4.3 CPU Configuration CPU  
Configuration CPU Configuration The items in this menu show the CPU-related information that  
the BIOS automatically detects. Advanced CPU Configuration Module Version: 14.04 Physical  
Count: 1 Logical Count: 2 AMD Athlon(tm) 64 X2 Dual Core Processor 4200+ Revision: E4 Cache  
L1...

## [Page 63: Chipset](#)

2.4.4 2.4.4 2.4.4 Chipset Chipset Chipset 2.4.4 2.4.4 Chipset Chipset The Chipset menu allows  
you to change the advanced chipset settings. Select an item then press <Enter> to display the  
sub-menu. Advanced Advanced Chipset Settings WARNING: Setting wrong values in below  
sections may cause system to malfunction.

[Page 64](#) Memclock Mode [Auto] Memclock Mode [Auto] Memclock Mo  
de [Auto] Memclock Mode [Auto] Memclock Mode [Auto] [Auto] allows the

BIOS to set the memclock mode automatically.

### [Page 65: Ecc Configuration](#)

BankInterleaving[Auto]BankInterleaving[Auto]BankInterleaving[Auto]BankInterleaving[Auto]BankInterleaving[Auto]...

[Page 66](#) DRAMBGScrub[Disabled]DRAMBGScrub[Disabled]DRAMBGScrub[Disabled]DRAMBGScrub[Disabled]DRAMBGScrub[Disabled]...

[Page 67](#) AGP Bridge VIA K8M800 Configuration AGP Bridge VIA K8M800 Configuration AGP Bridge VIA K8M800 Configuration AGP Bridge VIA K8M800 Configuration AGP Bridge VIA K8M800 Configuration VIA K8M800 Chipset Configuration Advanced OnChip VGA Frame Buffer Size Primary Graphics Adapter VLink 8X Supported AGP Mode AGP Fast Write Graphics Aperture Size...

[Page 68](#) SouthBridge VIA VT8251 Configuration SouthBridge VIA VT8251 Configuration SouthBridge VIA VT8251 Configuration SouthBridge VIA VT8251 Configuration SouthBridge VIA VT8251 Configuration Advanced \* Serial ATA IDE Controller \* LAN Controller LAN BIOS Execute OnChip AC`97 Audio AC`97 Variable Sample Rate v02.58 (C)Copyright 1985-2004, American Megatrends, Inc. Serial ATA IDE Controller [SATA] Allows you to set the Serial ATA mode.

[Page 69](#) HyperTransport Configuration HyperTransport Configuration HyperTransport Configuration HyperTransport Configuration HyperTransport Configuration Advanced LDT to AGP Lokar Frequency LDT to AGP Lokar (Upstream) LDT to AGP Lokar (Downstream) v02.58 (C)Copyright 1985-2004, American Megatrends, Inc. LDT to AGP Lokar Frequency [800 MHz] Allows you to set the LDT to AGP Lokar Frequency. Configuration options: [200 MHz] [400 MHz] [600 MHz] [800 MHz] LDT to AGP Lokar (Upstream) [16 BIT] Configuration options: [8 BIT] [16 BIT]...

### [Page 70: Onboard Devices Configuration](#)

2.4.5 2.4.5 2.4.5 Onboard Devices Configuration Onboard Devices Configuration Onboard Devices Configuration 2.4.5 2.4.5 Onboard Devices Configuration Onboard Devices Configuration Advanced Configure Win627EHF Super IO Chipset Serial Port1 Address Parallel Port Address Parallel Port Mode ECP Mode DMA Channel Parallel Port IRQ v02.58 (C)Copyright 1985-2004, American Megatrends, Inc.

### [Page 71: Pci Pnp](#)

2.4.6 2.4.6 PCI PnP PCI PnP 2.4.6 2.4.6 2.4.6 PCI PnP PCI PnP PCI PnP The PCI PnP menu items allow you to change the advanced settings for PCI/PnP devices. The menu includes setting IRQ and DMA channel resources for either PCI/PnP or legacy ISA devices, and setting the memory size block for legacy ISA devices.

### [Page 72: Power Menu](#)

IRQ-xx assigned to [PCI Device] IRQ-xx assigned to [PCI Device] IRQ-xx assigned to [PCI Device] IRQ-xx assigned to [PCI Device] IRQ-xx assigned to [PCI Device] When set to [PCI Device], the specific IRQ is free for use of PCI/PnP devices. When set to [Reserved], the IRQ is reserved for legacy ISA devices.

### [Page 73: Apm Configuration](#)

2.5.5 2.5.5 2.5.5 APM Configuration APM Configuration APM Configuration 2.5.5 2.5.5 APM Configuration APM Configuration Power Management/APM Restore on AC Power Loss Resume On Ring Resume On LAN Resume On PME# Resume On KBC Wake-Up Key Resume On PS/2 Mouse Resume On RTC Alarm v02.58 (C)Copyright 1985-2004, American Megatrends, Inc.

[Page 74](#) Resume On KBC [Disabled] Resume On KBC [Disabled] Resume On KBC [Disabled] Resume On KBC [Disabled] Resume On KBC [Disabled] Configuration options: [Disabled] [S3] [S3/S4/S5] Wake - Up Key Wake - Up Key The Wake - Up Key Wake - Up Key item becomes user-configurable when the Resume Wake - Up Key...

### [Page 75: Hardware Monitor](#)

CPU Q-Fan Control [Disabled] CPU Q-Fan Control [Disabled] CPU Q-Fan Control [Disabled] Allows

you to enable or disable the ASUS Q-Fan feature that smartly adjusts the fan speeds for more efficient system operation. Configuration options: [Ignored] [Enabled] The C P U F a n R a t i o...

[Page 76](#) CPU Target Temperature [XXX°C] CPU Target Temperature [XXX°C] CPU Target Temperature [XXX°C] CPU Target Temperature [XXX°C] CPU Target Temperature [XXX°C] CPU Target Temperature [XXX°C] Allows you to set the CPU temperature threshold when the CPU fan speed is increased to lower CPU temperature. The configuration options for this item depend on the recommended temperature settings.

### [Page 77: Boot Menu](#)

BIOS SETUP UTILITY Power Boot Exit BIOS SETUP UTILITY Boot [1st FLOPPY DRIVE] [PM-ST320410A] [PS-ASUS CD-S520/A] Specifies the Boot Device Boot Priority sequence. A virtual floppy disk drive (Floppy Drive B:) may appear when you set the CD-ROM drive as the first boot device.

### [Page 78: Boot Settings Configuration](#)

2.6.2 2.6.2 Boot Settings Configuration Boot Settings Configuration 2.6.2 2.6.2 2.6.2 Boot Settings Configuration Boot Settings Configuration Boot Settings Configuration Boot Settings Configuration Quick Boot AddOn ROM Display Mode Bootup Num-Lock PS/2 Mouse Support Wait for 'F1' if Error Hit 'DEL' Message Display Interrupt 19 Capture v02.58 (C)Copyright 1985-2004, American Megatrends, Inc.

### [Page 79: Security](#)

Hit 'DEL' Message Display [Enabled] Hit 'DEL' Message Display [Enabled] Hit 'DEL' Message Display [Enabled] Hit 'DEL' Message Display [Enabled] Hit 'DEL' Message Display [Enabled] When set to Enabled, the system displays the message "Press DEL to run Setup" during POST. Configuration options: [Disabled] [Enabled] Interrupt 19 Capture [Disabled] Interrupt 19 Capture [Disabled] Interrupt 19 Capture [Disabled]...

[Page 80](#) To clear the supervisor password, select the Change Supervisor Password then press <Enter>. The message "Password Uninstalled" appears. If you forget your BIOS password, you can clear it by erasing the CMOS Real Time Clock (RTC) RAM. See section "1.9 Jumpers" for information on how to erase the RTC RAM.

### [Page 81: Exit Menu](#)

To set a User Password: Select the Change User Password item and press <Enter>. On the password box that appears, type a password composed of at least six letters and/or numbers, then press <Enter>. Confirm the password when prompted. The message "Password Installed" appears after you set your password successfully.

[Page 82](#) Exit & Save Changes Exit & Save Changes Exit & Save Changes Exit & Save Changes Exit & Save Changes Once you are finished making your selections, choose this option from the Exit menu to ensure the values you selected are saved to the CMOS RAM. An onboard backup battery sustains the CMOS RAM so it stays on even when the PC is turned off.

[Page 83](#) This chapter describes the contents of the support CD that comes with the motherboard package. Software support...

### [Page 84: Installing An Operating System](#)

The contents of the support CD are subject to change at any time without notice. Visit the ASUS website(www.asus.com) for updates. 3.2.1 3.2.1 Running the support CD Running the support CD 3.2.1...

### [Page 85: Drivers Menu](#)

3.2.2 3.2.2 3.2.2 Drivers menu Drivers menu Drivers menu 3.2.2 3.2.2 Drivers menu Drivers menu The drivers menu shows the available device drivers if the system detects installed devices. Install the necessary drivers to activate the devices. AMD Cool 'n' Quiet Driver AMD Cool 'n'...

### [Page 86: Utilities Menu](#)

ASUS Update ASUS Update ASUS Update ASUS Update The ASUS Update utility allows you to update the motherboard BIOS in a Windows ® environment. This utility requires an Internet

connection either through a network or an Internet Service Provider (ISP).

### [Page 87: Make Disk Menu](#)

ASUS Cool 'n' Quiet Utility ASUS Cool 'n' Quiet Utility ASUS Cool 'n' Quiet Utility ASUS Cool 'n' Quiet Utility ASUS Cool 'n' Quiet Utility This item installs the ASUS Cool 'n' Quiet utility. Anti-virus utility Anti-virus utility Anti-virus utility Anti-virus utility Anti-virus utility The anti-virus utility scans, identifies, and removes computer viruses.

### [Page 88: Asus Contact Information](#)

ASUS Contact information Click the **C o n t a c t C o n t a c t** tab to display the ASUS contact information. You can **C o n t a c t C o n t a c t C o n t a c t** also find this information on the inside front cover of this user guide.

[Page 89](#) Displays the support CD contents in graphical format. Technical support Form Technical support Form Technical support Form Technical support Form Displays the ASUS Technical Support Request Form that you have to fill out when requesting technical support. Filelist Filelist Filelist Filelist...

[Page 90](#) 3 - 8 3 - 8 3 - 8 3 - 8 3 - 8 Chapter 3: Software support Chapter 3: Software support Chapter 3: Software support Chapter 3: Software support Chapter 3: Software support Chapter 3: Software support...

This manual is also suitable for:

A8v-mx

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